



iVMS-7200 B/S Client

User Manual

UD.6L0204D1060A01

Thank you for purchasing our product. If there is any question or request, please do not hesitate to contact the dealer.

This manual is applicable to **iVMS-7200 B/S Client**.

This manual may contain several technically incorrect places or printing errors, and the content is subject to change without notice. The updates will be added into the new version of this manual.

We will readily improve or update the products or procedures described in the manual.

The figures shown in this manual are for reference only. The appearance and interface of the device are subject to the actual model.

TABLE OF CONTENTS

Chapter 1 Overview	4
1.1 Description.....	4
1.2 Running Environment.....	4
Chapter 2 Starting iVMS-7200.....	6
2.1 Login	6
2.2 Home Page	6
2.3 System Configuration	7
2.3.1 Configuring System Settings	7
2.3.2 Configuring Map API Settings	8
2.3.3 Configuring Route Info Settings	9
2.4 Local Configuration	9
2.5 Version Information	10
2.6 Plug-in Installation	11
2.7 Account Management.....	12
Chapter 3 Configuration Sub-system	14
3.2 Resource Management.....	14
3.2.1 Configuring the Organization	14
3.2.2 Configuring the Server	15
3.2.3 Configuring the Device	17
3.3 Account Management.....	21
3.3.1 Configuring the Role	21
3.3.2 Configuring the User	23
3.4 Device Upgrade	25
Chapter 4 Monitoring Sub-system.....	27
4.1 Live View	27
4.1.1 Starting / Stopping Live View	28
4.1.2 Capturing Pictures in Live View	29
4.1.3 Starting / Stopping the Recording.....	29
4.1.4 Enabling / Disabling Two-way Audio.....	29
4.1.5 Enabling / Disabling Audio Monitoring.....	30
4.1.6 Sending Messages.....	32
4.1.7 Viewing Device Information	32
4.1.8 PTZ Control	33
4.1.9 Video Parameters Settings	34

4.1.10	Remote Configuration.....	34
4.2	Playback.....	45
4.2.1	Searching Record Files.....	46
4.2.2	Playing Back Record Files.....	47
4.2.3	Capturing Pictures in Playback.....	48
4.2.4	Downloading Video Clips.....	48
4.3	Location.....	49
4.3.1	Measuring the Distance.....	50
4.3.2	Selecting the Area.....	50
4.3.3	Enabling / Disabling Audible Warning.....	51
4.3.4	Viewing the Devices.....	51
4.4	Track.....	52
Chapter 5	Query Sub-system	54
5.1	Log Search.....	54
5.1.1	Searching Device Logs.....	54
5.1.2	Searching Operation Logs.....	55
5.2	System Status.....	55
5.2.1	Searching Device Status.....	56
5.2.2	Searching Server Status.....	57
5.3	Statistics Report.....	57
5.3.1	Searching Traffic Violations Statistics.....	58
5.3.2	Searching System Operating Statistics.....	59
5.3.3	Searching Alarm Data Statistics.....	61
5.4	Chart Board.....	62

Chapter 1 Overview

1.1 Description

Based on B/S architecture, iVMS-7200 is applicable to video surveillance management of the front-end devices. The platform is composed of 3 functional modules: Monitoring module, Query module and Configuration module. With the database built in the central server, you can get the real-time live view, video recording, user management, statistical reports, etc., through the web browser.

- **Monitoring Module**

You can view the live video, play back the record files, get the GPS location and play back the motion track of the front-end devices.

- **Query Module**

You can search the device log files, server alarm information, device and server status, and flux of devices. Different statistical reports are also supported.

- **Configuration Module**

You can configure the resource information, user accounts and upgrade the front-end devices.

1.2 Running Environment

Hardware Environment

Server:

Processor: XEON 3440 @ 2.53G, Quad-core, 8M

Motherboard: 3420GPLC

Memory: 2*2GB DDR3 ECC

HDD: 1*500G SATA

Network Card: 1000Mbps

Client:

CPU: Intel /AMD @ 1.6GHz or above, Dual-core

Memory: 2G or above, DDR2

Network Card: Intel or RealTek, 100Mbps or above (with latest network card driver)

Software Environment

Server:

Operating System: Windows Server 2008 R2 Standard SP1

J2EE Server: Tomcat 6.0.18

Database Server: postgresql-9.2.4

Client:

Operating system: Microsoft Windows 7

Graphic Driver: Overlay mode supported

Web browser: IE8, IE9, IE10, IE11

Chapter 2 Starting iVMS-7200

2.1 Login

1. Input the IP address of the central server in the address bar of the web browser, for example, <http://172.10.6.211>, and press the **Enter** key to enter the login interface.
2. Input the user name and password of the system. The default user name and password are *admin* and *12345*.
3. Select the route to the server for connection. Optionally, you can show / hide the route selector. Up to 4 routes are supported.
4. Select the language from the drop-down list in the upper-right corner. Chinese and English are selectable.
5. Click **Login** to log in the system.

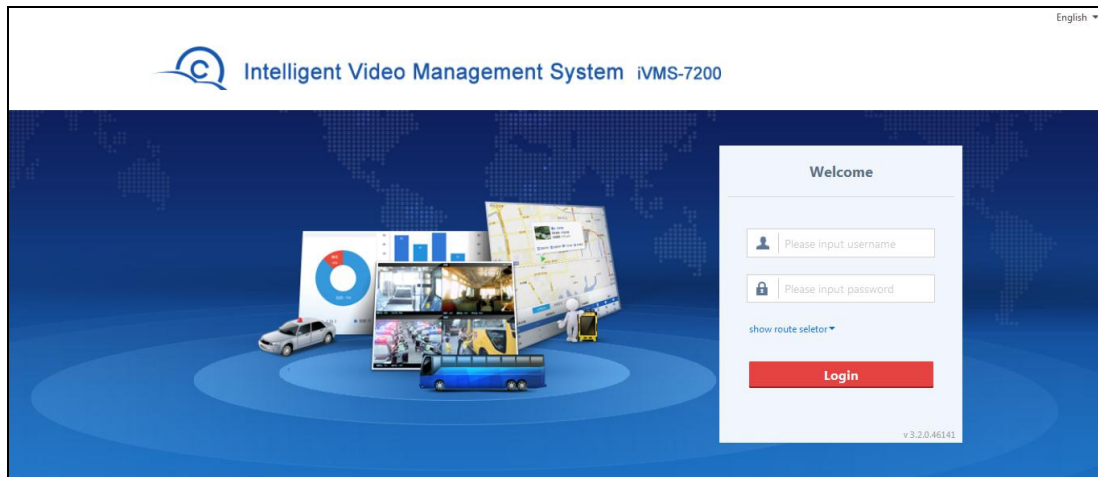


Figure 2. 1 Login

2.2 Home Page

After you log in the system successfully, the home page of iVMS-7200 is shown as follows:

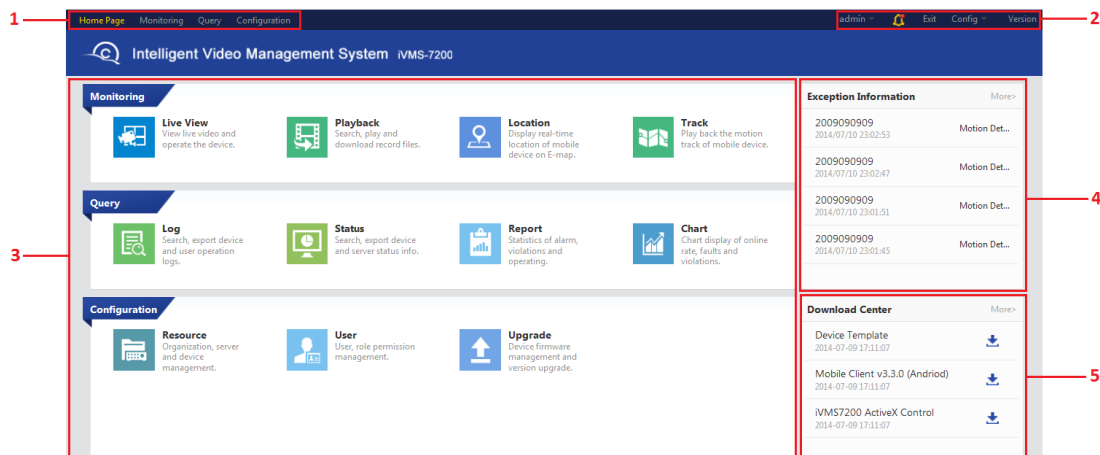


Figure 2. 2 Home Page

1. Navigation Bar:

Navigate to the Home Page, Monitoring module, Query module and Configuration module.

2. System Management

You can view the current user and system version; modify the password; configure the system / basic settings and exit from the system.

3. Functional Modules

There are 3 functional modules supported: Monitoring module, Query module and Configuration module.


4. Exception Center

Alarm information of the current day is released on the Exception Center. Click **More** and you can view the details including device name, alarm time, alarm type, etc.

5. Download Center

Related software and plugin are provided for downloading, including Device Template for importing, Mobile Client software and iVMS-7200 ActiveX Control. Click **More**, and then you can view all the files on the Download Center and can also upload files to the Download Center.



When the alarm information of devices is uploaded to the platform, the icon  will be displayed in the upper-right corner of the interface. Move the mouse to the icon, and you can view the details of the alarm.

2014-07-10 11:21:17	Underspeed Alarm, zzy, Alarm Start,...
2014-07-10 11:22:40	HDD Error, qz8161, HDD01, Alarm St...
2014-07-11 00:01:16	Motion Detection, 2009090909, Cha...
2014-07-11 00:01:11	Motion Detection, 2009090909, Cha...
2014-07-10 11:20:57	Underspeed Alarm, zzy, Alarm Start,...
2014-07-11 00:01:01	External Alarm, 2009090909, Input C...
2014-07-11 00:01:01	External Alarm, 2009090909, Input C...
2014-07-11 00:01:01	External Alarm, 2009090909, Input C...
2014-07-11 00:01:01	External Alarm, 2009090909, Input C...
2014-07-10 11:20:47	Underspeed Alarm, zzy, Alarm Start,...
2014-07-10 11:22:10	HDD Error, qz8161, HDD01, Alarm St...
2014-07-10 11:20:37	Underspeed Alarm, zzy, Alarm Start,...
2014-07-10 11:20:27	Underspeed Alarm, zzy, Alarm Start,...
2014-07-11 00:00:31	External Alarm, 2009090909, Input C...

Figure 2. 3 Alarm Information

2.3 System Configuration

2.3.1 Configuring System Settings

Purpose:

The resource tree sorting, data expired time, GIS location, speed limit and message push settings can be configured on the system configuration page.

Steps:

1. Move the mouse to the **Config** in the upper-right corner on the interface and then select **System Config**.
2. Click the **System Configuration** tab to configure the general system parameters.
 - **Resource Tree Sorting:** Select the sorting method for the resource tree. The resource includes

devices and organizations. You can sort the resource by the input sequence or resource name.

- **Data Expired Time:** The data here refers to the GPS information, log files, alarm messages and captured pictures. For example, if you set the GPS expired time as 90, the vehicle GPS information will be saved for 90 days.



The data expired time value should be more than 0.

- **GIS Config:** The longitude and latitude values define the location of E-map center.
- **Speed Config:** Input the maximum speed and minimum speed value for speed limit.
- **Message Push Config:** Input the IP address of the server for message pushing and set the HTTPS port and HPP port.

3. Click **Save**, and log in to the system again to activate the new settings.



The item labeled with “*” cannot be empty.

Figure 2. 4 System Configuration

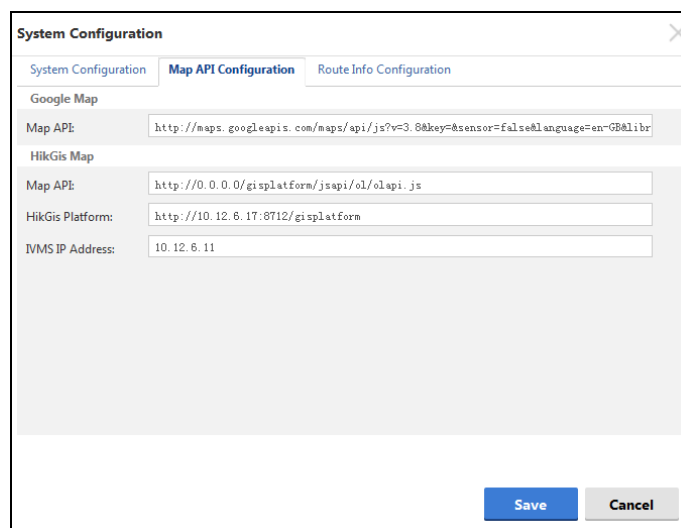
2.3.2 Configuring Map API Settings

Purpose:

The API address of Google Map and HikGis Map can be set.

Steps:

1. Move the mouse to the **Config** in the upper-right corner on the interface and then select **System Config**.
2. Click the **Map API Configuration** tab to configure the API settings of maps.
3. If the Google Map is adopted, input the API address of the Google Map in the text field.
If the HikGis Map is adopted, input the API address of HikGis Map, the server address and iVMS-7200 platform address in the corresponding text fields.
4. Click **Save**, and log in to the system again to activate the new settings.



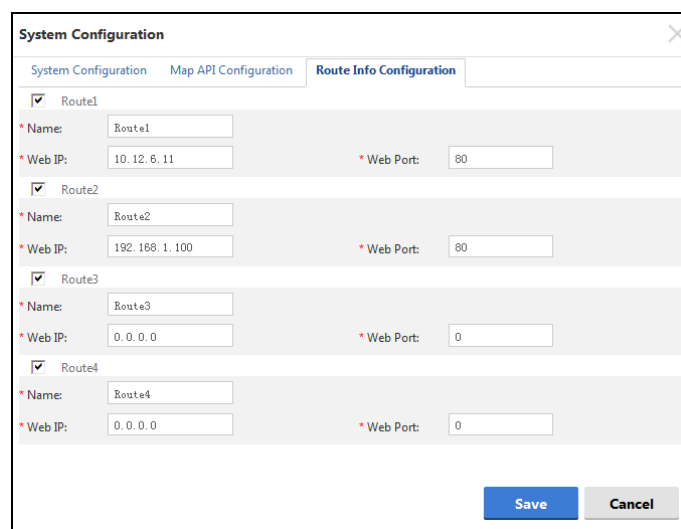
The dialog box titled "System Configuration" has three tabs: "System Configuration", "Map API Configuration" (selected), and "Route Info Configuration". Under the "Map API Configuration" tab, there are two sections: "Google Map" and "HikGis Map". The "Google Map" section has a "Map API" field with the value "http://maps.googleapis.com/maps/api/js?v=3.8&key=@sensor=false&language=en-GB&libr". The "HikGis Map" section has three fields: "Map API" with "http://0.0.0.0/gisplatform/jsapi/ol/olapi.js", "HikGis Platform" with "http://10.12.6.17:8712/gisplatform", and "IVMS IP Address" with "10.12.6.11". At the bottom right are "Save" and "Cancel" buttons.

Figure 2.5 Map API Configuration

2.3.3 Configuring Route Info Settings

Steps:

1. Move the mouse to the **Config** in the upper-right corner on the interface and then select **System Config**.
2. Click the **Route Info Configuration** tab to configure the route settings of system.
3. Check the checkbox of route to select it for use. 4 routes are configurable.
4. Edit the route name as desired in the text field, and then Input the IP address of Web server and port No. of web service.
5. Click **Save**, and log in to the system again to activate the new settings.



The dialog box titled "System Configuration" has three tabs: "System Configuration", "Map API Configuration", and "Route Info Configuration" (selected). Under the "Route Info Configuration" tab, there are four route configurations, each with a checked checkbox and fields for Name, Web IP, and Web Port. Route1: Name "Route1", Web IP "10.12.6.11", Web Port "80". Route2: Name "Route2", Web IP "192.168.1.100", Web Port "80". Route3: Name "Route3", Web IP "0.0.0.0", Web Port "0". Route4: Name "Route4", Web IP "0.0.0.0", Web Port "0". At the bottom right are "Save" and "Cancel" buttons.

Figure 2.6 Route Info Configuration

2.4 Local Configuration

Purpose:

The files saving path, video reconnection time, video cached time and map type can be configured on the local

configuration page.

Steps:

1. Move the mouse to the **Config** in the upper-right corner on the interface and then select **Local Config**.
2. Click **Browse**, and you can set the local saving path for captured pictures, download files, and recordings.
 - **Capture in Live View:** Set the saving path of the pictures captured in live view.
 - **Capture in Playback:** Set the saving path of the pictures captured in playback.
 - **Download File:** Set the saving path of the download files.
 - **Local Record:** Set the saving path of the local recordings.
3. Select the video reconnection time from the drop-down list.
When the system fails to get the video stream, it will reconnect the front-end devices after the configured reconnection time.
4. Set the video cached time to ensure higher fluency.
5. Select the map type from the drop-down list.
Google Map and HikGis Map are selectable.
6. Select the stream getting mode from the drop-down list.
Fluency Priority (TCP, recommended) and Real-time Priority (UDP) are selectable.
7. Click **OK** to save the settings.



The video reconnection time ranges from 8 to 60 seconds; and the video cached time ranges from 0 to 60 seconds.

Figure 2. 7 Local Configuration

2.5 Version Information

Click the **Version** in the upper-right corner on the interface to open the Version page. You can view the version information of the system, including the name, version and copyright notice.




Figure 2.8 Version Information

2.6 Plug-in Installation

Purpose:

To view the live video of the front-end devices through iVMS-7200, the mobile video surveillance plugin needs to be installed.

Steps:

1. Click  of **iVMS7200 ActiveX Control** in the Download Center module on the Home Page interface, and save the plug-in program on the local PC.

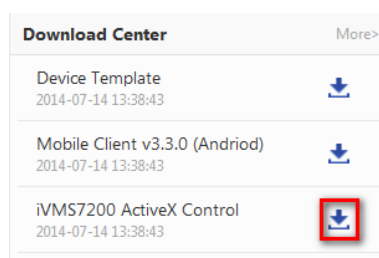



Figure 2.9 Download the Plug-in

2. Double-click the program file  **iVMS7200ActiveXSetup**, select the language for installation, and click **OK** to start the installation.

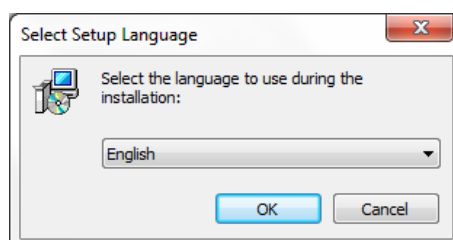


Figure 2.10 Select Installation Language

3. Follow the prompts to install the plug-in.

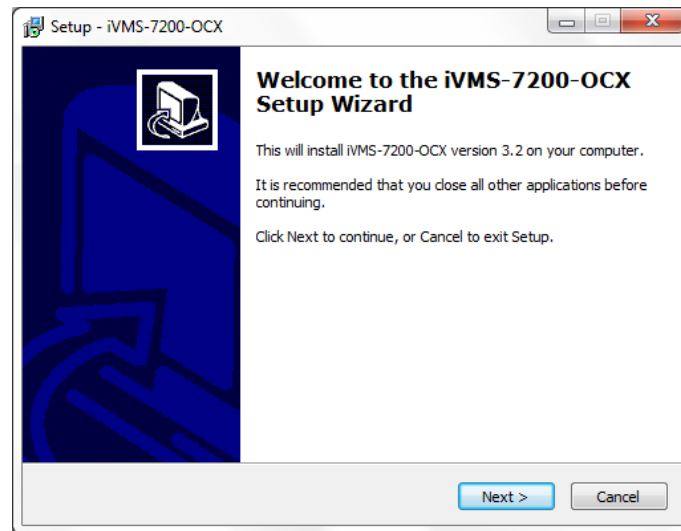


Figure 2.11 Install the Plug-in

4. Click **OK** to complete the installation.

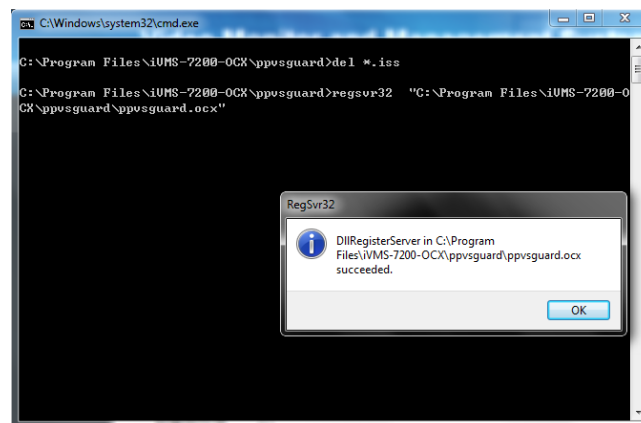


Figure 2.12 Complete the Installation

2.7 Account Management

Purpose:

You can view the user information, change the password and logout from the system.

Steps:

1. Move the mouse to the name of the current login user in the upper-right corner on the interface and then select **Basic Info**. You can view the user information including mobile phone No., expiration time and detailed description.

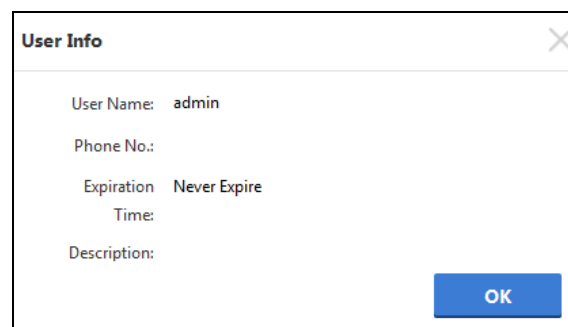
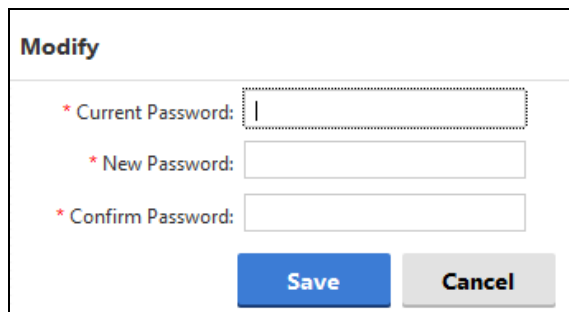


Figure 2. 13 View User Information

2. Change the password of the current login user.
 - 1) Move the mouse to the user name in the upper-right corner and then select **Change Password**.
 - 2) Input the current password, new password and confirm password.
 - 3) Click **Save** to save the new settings.



The screenshot shows a web form titled "Modify" in a light gray box. Inside, there are three input fields, each preceded by a red asterisk: "Current Password:", "New Password:", and "Confirm Password:". The "Current Password" field contains a single character. Below the fields are two buttons: a blue "Save" button and a gray "Cancel" button.

Figure 2. 14 Change Password

3. Click **Exit** in the upper-right corner on the interface, confirm the pop-up message box, and you can log out from the system.



Figure 2. 15 Logout

Chapter 3 Configuration Sub-system

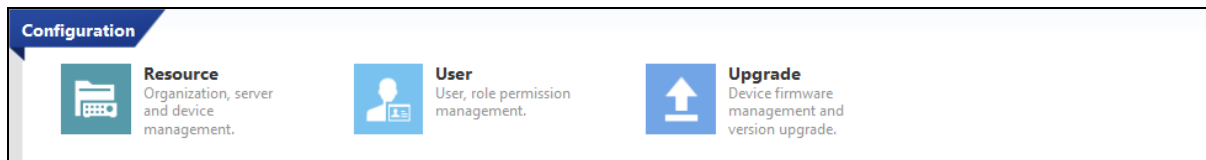


Figure 3.1 Configuration Module

3.2 Resource Management

Purpose:

Resources including devices and servers can be added to the system, and you can manage the devices and servers in unit of organization.

Click the Resource icon  on the Home Page;

or click the **Resource** tab on the Configuration Subsystem page to enter the Resource Management interface

Resource												
Device												
Organization												
Please input the key word												
No.	Device Na...	Device Type	Device ID	Channel N...	Device IP...	Device Port	3G Card No.	Monthly F...	Operator...	Remote C...	Organizati...	Remark
1	1001	Hikvision Mobile...	1001	4				No Limit			TEST2	
2	1002	Hikvision Mobile...	1002	4				No Limit			TEST2	
3	1003	Hikvision Mobile...	1003	4				No Limit			TEST2	
4	1004	Hikvision Mobile...	1004	4				No Limit			TEST2	
5	testwu	Hikvision Mobile...	testwu	4				No Limit			TEST2	
6	panjinlei	Hikvision Mobile E...	panjinlei	8				No Limit			TEST2	
7	999	Hikvision Mobile...	999	4				No Limit			TEST2	
8	9010	Hikvision Mobile...	9010	8				No Limit			TEST2	

Figure 3.2 Resource Management

3.2.1 Configuring the Organization

Enter the Resource Management interface, the resource tree is displayed in unit of organization on the left-side. You can add, modify and delete the organization if needed.

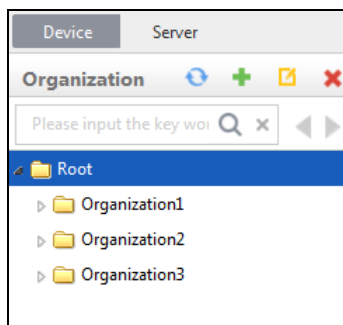

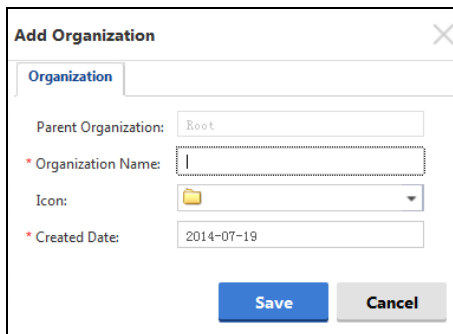


Figure 3.3 Resource Tree

Adding the Organization

Steps:

1. Select the parent organization in the resource tree on the left-side..
2. Click the icon  to open the Add Organization dialog box.
3. Input the organization name in the text field.
4. Select the icon for the organization from the drop-down list.
5. Click **Save** to save the settings. The organization will be displayed in the resource tree on the left-side.





The 'Add Organization' dialog box contains the following fields and controls:


- Organization** (tab)
- Parent Organization:** Root
- * Organization Name:** (text input field)
- Icon:** (dropdown menu showing a folder icon)
- * Created Date:** 2014-07-19
- Save** (button)
- Cancel** (button)

Figure 3. 4 Add Organization

Managing the Organization

Select the organization in the resource tree on the left-side, click the icon , and then you can modify the information of the selected organization.

Select the organization in the resource tree on the left-side, click the icon , and then you can delete the selected organization.

Click the icon , and you can refresh the information of the organizations on the list.

3.2.2 Configuring the Server

Enter the Resource Management interface and Click the **Server** tab to open the Server Management page. The added servers are displayed on the list, and you can view the detailed information including server type, IP address, port No., etc.









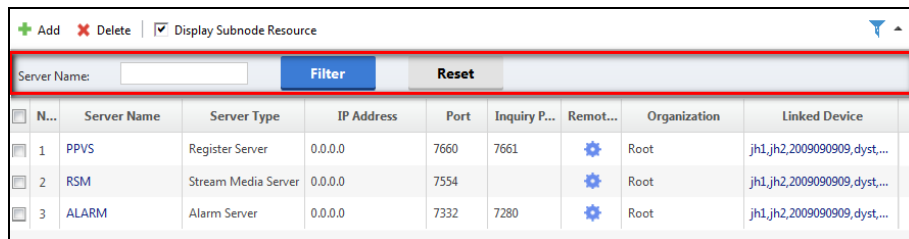
Device		Server							
Organization		     <input type="checkbox"/> Display Subnode Resource							
Please input the key word									
No.	Server Name	Server Type	IP Address	Port	Inquiry Port	Remote..	Organization	Linked Device	
1	PPVS	Register Server	0.0.0.0	7660	7661		Root	jh1,jh2,2009090909,dyst,1001,10...	
2	RSM	Stream Media Server	0.0.0.0	7554			Root	jh1,jh2,2009090909,dyst,1001,10...	
3	ALARM	Alarm Server	0.0.0.0	7332	7280		Root	jh1,jh2,2009090909,dyst,1001,10...	

Figure 3. 5 Server Management

Adding the Server

Steps:


1. Select the organization in the resource tree on the left-side and click **Add** on the Server Management page.
2. Select the server type from the drop-down list.
3. Input the server name in the text field.
4. Select **Yes** or **No** to share the server IP address and port with lower-level users or not.
5. Input the IP address and port of server. Up to 4 access routes to the server are supported.

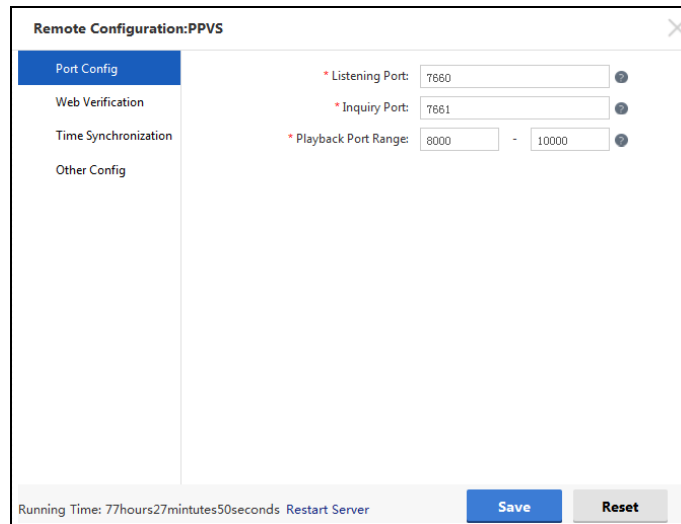


Server Name: **Filter** **Reset**

N...	Server Name	Server Type	IP Address	Port	Inquiry P...	Remot...	Organization	Linked Device
1	PPVS	Register Server	0.0.0.0	7660	7661		Root	jh1_jh2,2009090909,dyst...
2	RSM	Stream Media Server	0.0.0.0	7554			Root	jh1_jh2,2009090909,dyst...
3	ALARM	Alarm Server	0.0.0.0	7332	7280		Root	jh1_jh2,2009090909,dyst...

Figure 3. 10 Filter the Servers

5. To configure the server parameters remotely, select the server on the list, click the icon , and you can configure the server parameters including port No., web verification, time synchronization, etc.



Remote Configuration:PPVS

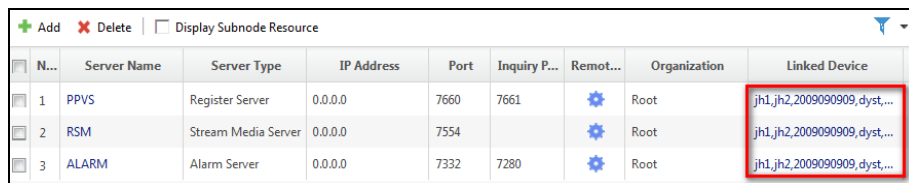
Port Config
Web Verification
Time Synchronization
Other Config

* Listening Port: 7660
* Inquiry Port: 7661
* Playback Port Range: 8000 - 10000

Running Time: 77hours27minutes50seconds Restart Server **Save** **Reset**

Figure 3. 11 Configure Server Parameters

6. To view the devices linked to the server, click the corresponding Linked Device item on the list.

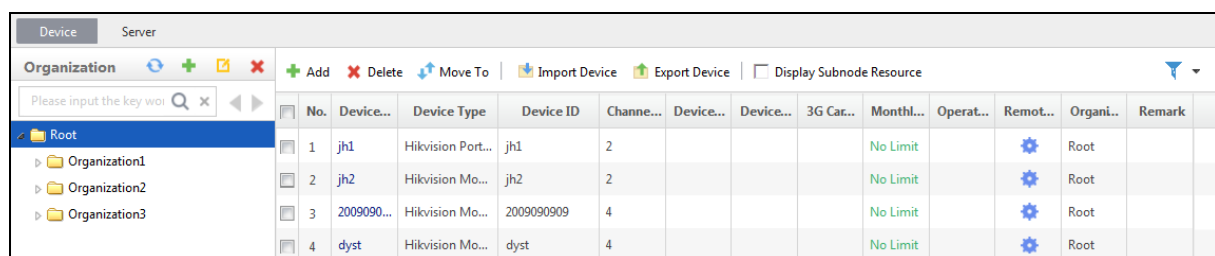


N...	Server Name	Server Type	IP Address	Port	Inquiry P...	Remot...	Organization	Linked Device
1	PPVS	Register Server	0.0.0.0	7660	7661		Root	jh1_jh2,2009090909,dyst...
2	RSM	Stream Media Server	0.0.0.0	7554			Root	jh1_jh2,2009090909,dyst...
3	ALARM	Alarm Server	0.0.0.0	7332	7280		Root	jh1_jh2,2009090909,dyst...

Figure 3. 12 Linked Device

3.2.3 Configuring the Device

Enter the Resource Management interface and Click the **Device** tab to open the Device Management page. The added devices are displayed on the list, and you can view the detailed information including device name, device type, device ID, etc.



Device Server

Organization ☐ Display Subnode Resource

Please input the key word

No.	Device...	Device Type	Device ID	Channe...	Device...	Device...	3G Car...	Monthl...	Operat...	Remot...	Organi...	Remark
1	jh1	Hikvision Port...	jh1	2				No Limit			Root	
2	jh2	Hikvision Mo...	jh2	2				No Limit			Root	
3	2009090...	Hikvision Mo...	2009090909	4				No Limit			Root	
4	dyst	Hikvision Mo...	dyst	4				No Limit			Root	

Figure 3. 13 Device Management

Adding the Device

Steps:

1. Select the organization in the resource tree on the left-side and click **Add** on Device Management page.
2. Click the **Basic Info** tab, and then input the required information.
 - **Adding Mode:** Select Device ID as the adding mode.
 - **Device Name:** Input a nickname as you want for the added device.
 - **Device ID:** Input the ID of the device.
 - **Device Type:** 3 types of devices are selectable: Mobile DVR, Portable DVR and Mobile Enforcement System.
 - **Channel Number:** Input the channel number of the added device. The default value is 4, and the maximum value is 32.
 - **Register Server:** Select the added register server for the device.
 - **Alarm Server:** Select the added alarm server for the device.
 - **Stream Media Server:** Select the added stream media server for the device.
 - **Stream Media Server Mode:** Compulsory Mode only.
 - **Protocol:** Select the transmission protocol for the stream media server. TCP and UDP are selectable.
 - **Stream Type:** Transmit the video in main stream or sub-stream.
 - **Server Connection Route:** Select the access routes to the server.
 - **Device Icon:** Select the icon for the device.
 - **Enable Channel-zero:** Check / Uncheck the checkbox to enable / disable the channel-zero function.
 - **Monthly Flow:** Set the flow limit each month for the device.
 - **3G Card No.:** Input the 3G Card No. of the device (only available for 3G devices).
 - **Operator Info:** Input the information of network service operator (only available for 3G devices).
 - **Remark:** Input the note information of the device.
3. Click the **Channel Config** tab, and you can edit the channel name of the device as desired.
4. Click **Save** to save the settings. The newly added device will be displayed on the device list.

The screenshot shows the 'Add Device' dialog box with the 'Basic Info' tab selected. The form contains the following fields and values:

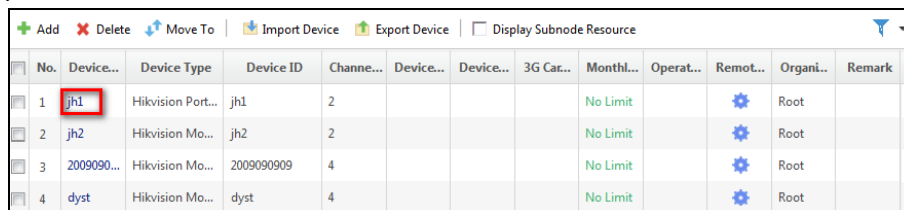
- Organization: Root
- Adding Mode: Device ID
- * Device Name: (empty)
- * Device ID: (empty)
- * Device Type: Hikvision Mobile DVR
- * Channel Number: 4
- * Register Server: PFVS
- * Alarm Server: ALARM
- * Stream Media Server: RSM
- * Stream Media Server Mode: Compulsory Mode
- * Protocol: TCP
- * Stream Type: Sub-stream
- * Server Connection Route: Route1
- Route: (empty)

At the bottom right, there are 'Save' and 'Cancel' buttons.

Figure 3. 14 Add the Device

Managing the Device

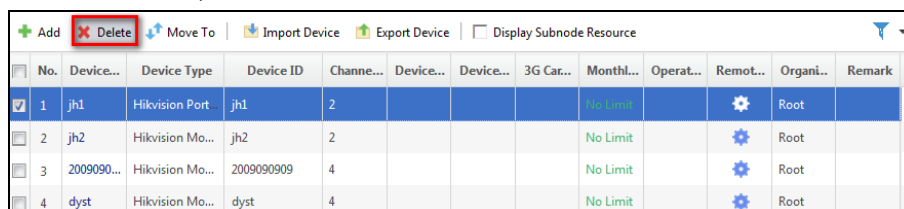
1. To modify the device information, click the device name on the device list.



No.	Device...	Device Type	Device ID	Channe...	Device...	Device...	3G Cat...	Monthl...	Operat...	Remot...	Organi...	Remark
1	jh1	Hikvision Port...	jh1	2				No Limit		⚙	Root	
2	jh2	Hikvision Mo...	jh2	2				No Limit		⚙	Root	
3	2009090...	Hikvision Mo...	2009090909	4				No Limit		⚙	Root	
4	dyst	Hikvision Mo...	dyst	4				No Limit		⚙	Root	

Figure 3. 15 Modify the Device

2. To delete the added device, select the device from the list and click **Delete**.



No.	Device...	Device Type	Device ID	Channe...	Device...	Device...	3G Cat...	Monthl...	Operat...	Remot...	Organi...	Remark
1	jh1	Hikvision Port...	jh1	2				No Limit		⚙	Root	
2	jh2	Hikvision Mo...	jh2	2				No Limit		⚙	Root	
3	2009090...	Hikvision Mo...	2009090909	4				No Limit		⚙	Root	
4	dyst	Hikvision Mo...	dyst	4				No Limit		⚙	Root	

Figure 3. 16 Delete the Device

3. To move the device to another organization:
 - 1) Select the device from the device list.
 - 2) Click **Move to** to open the Move To page.
 - 3) Select the target organization
 - 4) Click **Save** to save the settings.

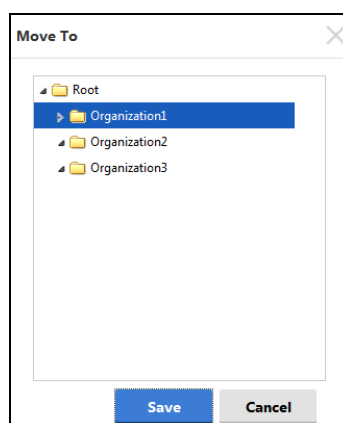


Figure 3. 17 Move the Device

4. To import the device to the system:
 - 1) Click **Import Device** to open the Import Device page.
 - 2) Click the **Browse...** button, and then select the device information file from the local PC.
 - 3) Click **Save** to save the settings.

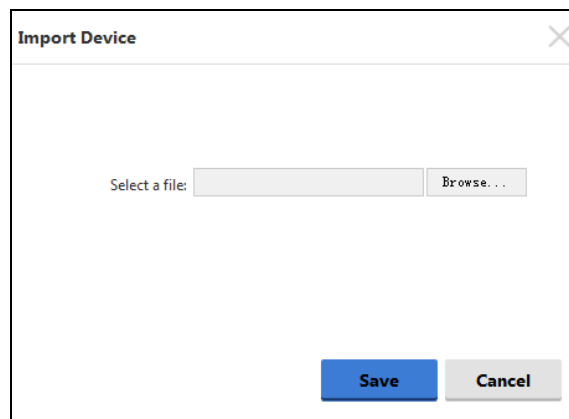


Figure 3.18 Import the Device



The device information file should be set in some specified format. For details, you can refer to the file exported from the system.

5. To export the device from the system:
 - 1) Check the checkbox to select the device from the device list.
 - 2) Click **Export Device** to export the device information to the local PC.
 - 3) Click **Save** and set the saving path for the file.




Figure 3.19 Export the Device

6. Optionally, you can check the checkbox of **Display Subnode Resource** to display the devices of the sub organizations on the list.

No.	Device Na...	Device Type	Device ID	Channel N...	Device IP...	Device Port	3G Card No.	Monthly F...	Operator...	Remote C...	Organizati...	Remark
1	jh1	Hikivision Portable...	jh1	2				No Limit			Root	
2	jh2	Hikivision Mobile...	jh2	2				No Limit			Root	
3	2009090909	Hikivision Mobile...	2009090909	4				No Limit			Root	
4	dyst	Hikivision Mobile...	dyst	4				No Limit			Root	
5	1001	Hikivision Mobile...	1001	4				No Limit			Organizati...	
6	1002	Hikivision Mobile...	1002	4				No Limit			Organizati...	

Figure 3.20 Display Subnode Resource-Device

7. To filter the devices, click the Filter icon , input the device name, device type, IP address and device port in the corresponding text fields, and click the **Filter** button to search out the desired devices. You can click the **Reset** button to clear the search results.

No.	Device Na...	Device Type	Device ID	Channel N...	Device IP...	Device Port	3G Card No.	Monthly F...	Operator...	Remote C...	Organizati...	Remark
1	jh1	Hikivision Portable...	jh1	2				No Limit			Root	
2	jh2	Hikivision Mobile...	jh2	2				No Limit			Root	
3	2009090909	Hikivision Mobile...	2009090909	4				No Limit			Root	
4	dyst	Hikivision Mobile...	dyst	4				No Limit			Root	
5	1001	Hikivision Mobile...	1001	4				No Limit			Organizati...	
6	1002	Hikivision Mobile...	1002	4				No Limit			Organizati...	

Figure 3.21 Filter the Devices

8. To configure the device parameters remotely, select the device on the list, click the icon , and you can

configure the device parameters remotely. For details, see *Section 4.1.10 Remote Configuration*.

Remote Configuration:2009090909

Version Info

Device Info

Device Name: mobileDVR

Device ID: 255 The device ID ranges from 1 to 255.

Device Type: DVR_MOBILE

Device Serial No.: 0120121008CCCH00000001WCVU

Channel Number: 4

HDD Number: 1

Alarm Input Number: 4

Alarm Output Number: 2

Cycle Recording: Yes

Enable main Vout scaling: No

Enable auxiliary Vout scaling: No

Reboot

Advanced Settings >>

Figure 3. 22 Configure Device Parameters

3.3 Account Management

Purpose:

Multiple roles with different permissions can be added to the system, and you can create users as different roles and assign permissions to the users.

Click the User icon  on the Home Page;

or click the **User** tab on the Configuration Subsystem page to enter the Account Management interface.

Resource		User		Upgrade			
User		Role					
Organization				Add Delete <input type="checkbox"/> Display Subnode Resource			
Please input the key word							
<ul style="list-style-type: none"> Root Organization1 Organization2 Organization3 							
No.	User Name	User Status	Expired Date	Time Limit of Live View (s)	Organization	Role	
1	admin	Normal	Never expire	No Limit	Root	Administrator	
2	test	Normal	2014-07-30 23:59:59	No Limit	Root	Administrator	
3	User1	Normal	2014-07-21 23:59:59	No Limit	Root	Administrator	

Figure 3. 23 Account Management

3.3.1 Configuring the Role

Enter the Account Management interface and click the **Role** tab to open the Role Management page. The added roles are displayed on the list, and you can view the name and description of the roles.

User		Role					
User		Role					
Organization				Add Delete <input type="checkbox"/> Display Subnode Resource			
Please input the key word							
<ul style="list-style-type: none"> Root Organization1 Organization2 Organization3 							
No.	Role Name	Role Description	Organization				
1	Administrator	Administrator	Root				

Figure 3. 24 Role Management

Adding the Role

Steps:

1. Select the organization in the resource tree on the left-side and click **Add** on the Role Management page.
2. Click **Add** on the Role Management page to open the Add Role dialog box.
3. Input the role name in the text field as you want.
4. Optionally, you can input some detailed descriptions for the added role.
5. Click the **Module Permission** tab. Then, select and assign the permissions of modules to the role, including Configuration module, Monitoring module and Query module.
6. Click the **Function Permission** tab. Then, select and assign the permissions of functions to the role, including device remote configuration, PTZ control, live view link, message sending and server remote configuration.
7. Click the **Visible Device(s)** tab. Then, select the device(s) for the role to manage.
8. Click **Save** to save the settings. The newly added role will be displayed on the role list.



The *Administrator* has all the permissions by default and cannot be modified or deleted.

The 'Add Role' dialog box is shown with the following fields and options:

- Area:** Organization1
- Role Name:** Role1
- Role Description:** Test
- Select:**
 - Module Permission:** Configuration (checked), Resource (checked), User (checked), Upgrade (checked), Monitoring (checked), Live View (checked), Playback (checked), Location (checked), Track (checked), Query (checked), Log (checked), Status (checked), Report (checked).
 - Function Permission:** (empty)
 - Visible Device(s):** (empty)
- Buttons:** Save, Cancel

Figure 3. 25 Add the Role

Managing the Role

1. To modify the role information, click the role name on the role list.

+ Add ✖ Delete ☐ Display Subnode Resource				
No.	Role Name	Role Description	Organization	
1	Role1	TEST	Organization1	

Figure 3. 26 Modify the Role

2. Select the role from the list and click **Delete**, and you can delete the selected role.

+ Add ✖ Delete ☐ Display Subnode Resource				
No.	Role Name	Role Description	Organization	
1	Role1	TEST	Organization1	

Figure 3. 27 Delete the Role

- Optionally, you can check the checkbox of **Display Subnode Resource** to display the roles in the sub organizations on the role list.

<div> + Add ✖ Delete <input checked="" type="checkbox"/> Display Subnode Resource </div>				
No.	Role Name	Role Description	Organization	
1	Role1	TEST	Organization1	
2	Role2		Test1	

Figure 3. 28 Display Subnode Resource-Role

3.3.2 Configuring the User


Enter the Account Management interface and click the **User** tab to open the User Management page. The added users are displayed on the list, and you can view the name, status, expired date and role of the users.

<div> + Add ✖ Delete <input type="checkbox"/> Display Subnode Resource </div>									
No.	User Name	User Status	Expired Date	Time Limit of Live View (s)	Organization		Role		
1	admin	Normal	Never expire	No Limit	Root		Administrator		
2	test	Normal	2014-07-30 23:59:59	No Limit	Root		Administrator		
3	User1	Normal	2014-07-21 23:59:59	No Limit	Root		Administrator		

Figure 3. 29 User Management

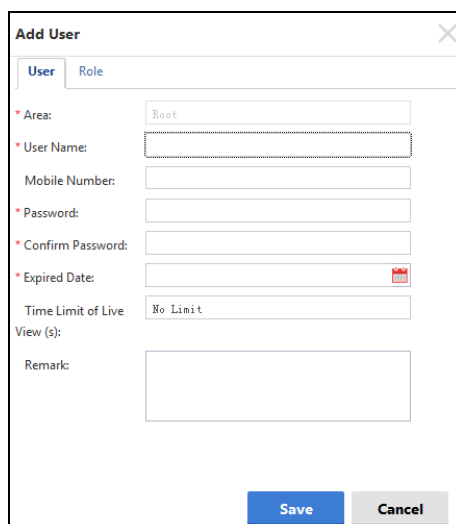
Adding the User

Steps:

- Select the organization in the resource tree on the left-side and click **Add** on the User Management page.
- Click the **User** tab, and then input the required information
 - User Name:** Input the user name in the text field as you want.
 - Mobile Number:** Optionally, you can input the mobile number of the user.
 - Password:** Input the password of the user.
 - Confirm Password:** Input the confirm password.
 - Expired Date:** Click  to specify the expired date. The user will be invalid after the expired date.
 - Time Limit of Live View (s):** Set the time limit of live view for the user. When you log in to the system with the user and start the live view, the live view will stop automatically after the time limit. The time limit value should be no more than 20 and 0 refers No Limit.
- Optionally, you can input some messages of the user in the remark field.
- Click the **Role** tab, and select the role for the user.
- Click **Save** to save the settings. The newly added user will be displayed on the user list.



The *admin* account is a member of *Administrator*. It has all the permissions by default and cannot be deleted. You can only modify the password of the *admin* account.



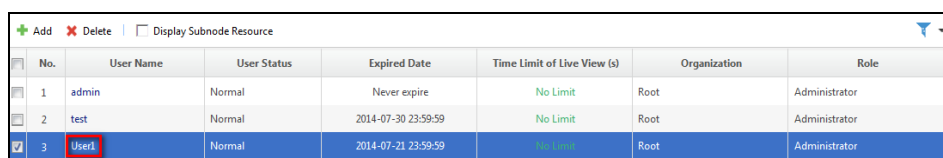
The 'Add User' dialog box contains the following fields and options:

- Area:** Text field with 'Root' entered.
- User Name:** Text field.
- Mobile Number:** Text field.
- Password:** Text field.
- Confirm Password:** Text field.
- Expired Date:** Date picker field.
- Time Limit of Live View (s):** Text field with 'No Limit' entered.
- Remark:** Text area.
- Buttons:** 'Save' and 'Cancel' buttons at the bottom right.

Figure 3.30 Add the User

Managing the User

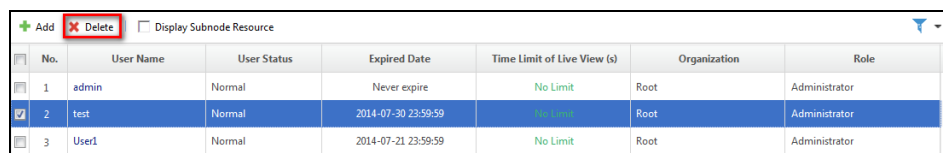
- To modify the user information, click the user name on the user list.



No.	User Name	User Status	Expired Date	Time Limit of Live View (s)	Organization	Role
1	admin	Normal	Never expire	No Limit	Root	Administrator
2	test	Normal	2014-07-30 23:59:59	No Limit	Root	Administrator
3	User1	Normal	2014-07-21 23:59:59	No Limit	Root	Administrator

Figure 3.31 Modify the User

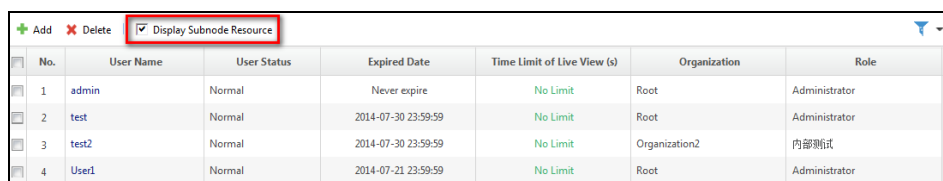
- To delete the user, select the user from the user list and click **Delete**.



No.	User Name	User Status	Expired Date	Time Limit of Live View (s)	Organization	Role
1	admin	Normal	Never expire	No Limit	Root	Administrator
2	test	Normal	2014-07-30 23:59:59	No Limit	Root	Administrator
3	User1	Normal	2014-07-21 23:59:59	No Limit	Root	Administrator


Figure 3.32 Delete the User

- Optionally, you can check the checkbox of **Display Subnode Resource** to display the users in the sub organizations on the user list.



No.	User Name	User Status	Expired Date	Time Limit of Live View (s)	Organization	Role
1	admin	Normal	Never expire	No Limit	Root	Administrator
2	test	Normal	2014-07-30 23:59:59	No Limit	Root	Administrator
3	test2	Normal	2014-07-30 23:59:59	No Limit	Organization2	内部测试
4	User1	Normal	2014-07-21 23:59:59	No Limit	Root	Administrator

Figure 3.33 Display Subnode Resource-User

- To filter the users, click the Filter icon , input the user name and user status in the text fields, and click the **Filter** button to search out the desired users. You can click the **Reset** button to clear the search results.

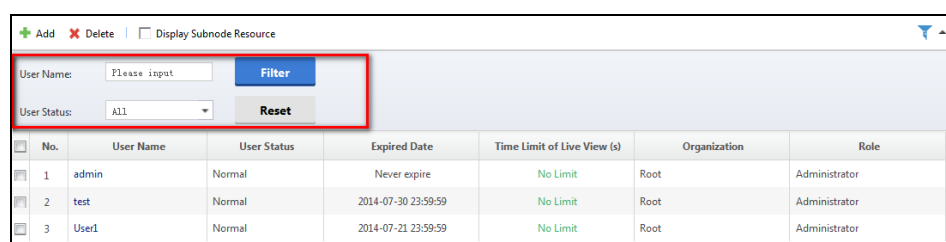



Figure 3. 34 Filter the Users

3.4 Device Upgrade

Purpose:

The devices can be upgraded remotely.

Click the Upgrade icon  on the Home Page;

or click the **Upgrade** tab on the Configuration Subsystem page to enter the Upgrade Management interface.

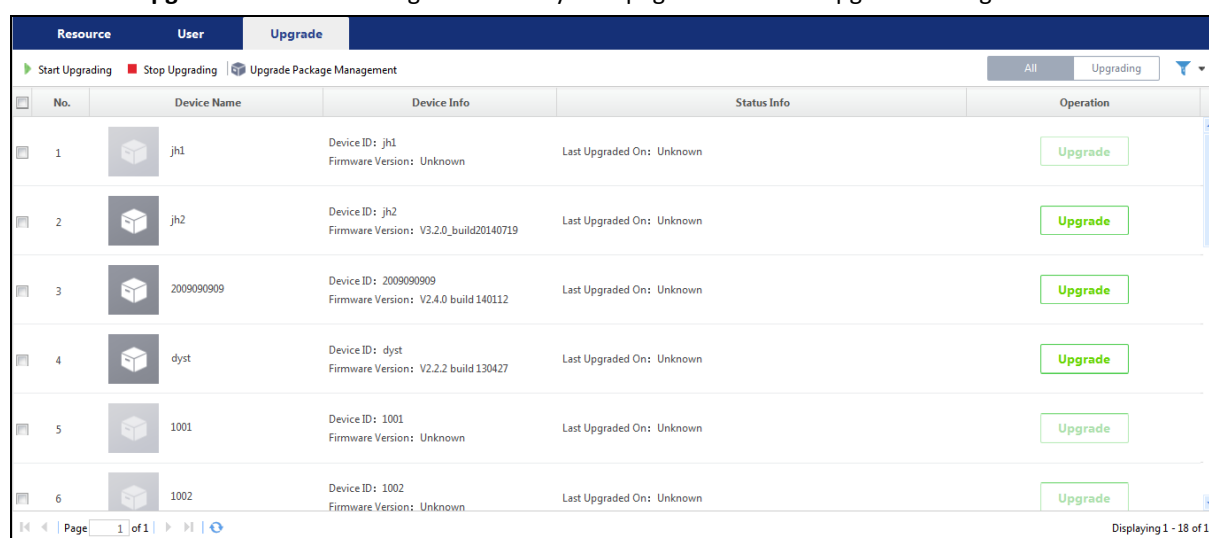



Figure 3. 35 Upgrade Management

Steps:

1. Check the checkbox to select the device(s) for upgrading.
Optionally, you can firstly click the Filter icon  in the upper-right corner, set the filtering conditions and then search out the desired devices.
2. Click **Start Upgrading** on the top of the device list;
Or click the **Upgrade** button in the same row with the device to open the Upgrade Device dialog box.
3. Select the upgrade package from the drop-down list.
You can also click the **Upload New File** button to upload new upgrade packages for the devices.
4. Click the **Upgrade** button to start the device upgrading process.
5. You can click **Stop Upgrading** on the top of the device list to stop the device upgrading process.
6. You can click **Upgrade Package Management** on the top of the device list to upload new upgrade packages.



- Make sure the route info, including the Web IP address and port No., are set properly on the system configuration page.

- Up to 20 upgrade packages can be uploaded, and the upgrade package file should be in the format of *.dav, *.mav or *.zip.

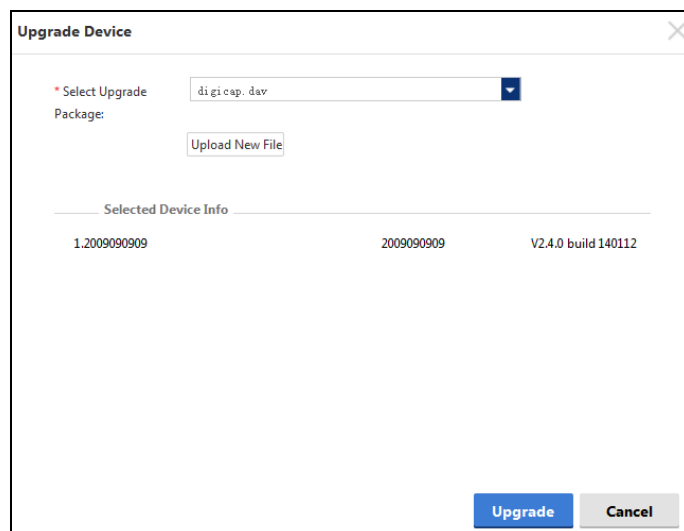


Figure 3. 36 Upgrade the Device

Chapter 4 Monitoring Sub-system

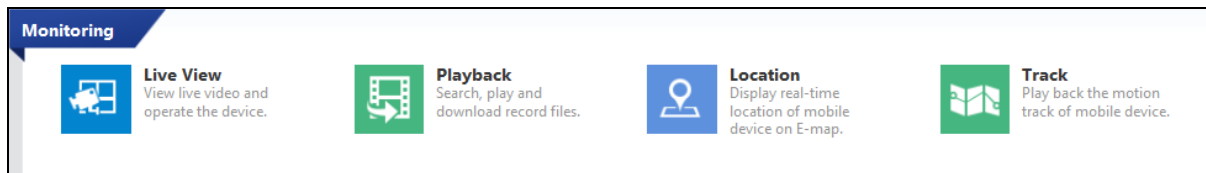


Figure 4. 1 Monitoring Module

4.1 Live View

Purpose:

You can view the live video from the front-end devices. And some basic operations are supported, including picture capturing, video parameters settings, PTZ control, etc.

Click the icon  on the Home Page,

or click the **Live View** tab on the Monitoring Subsystem page to enter the Live View interface.

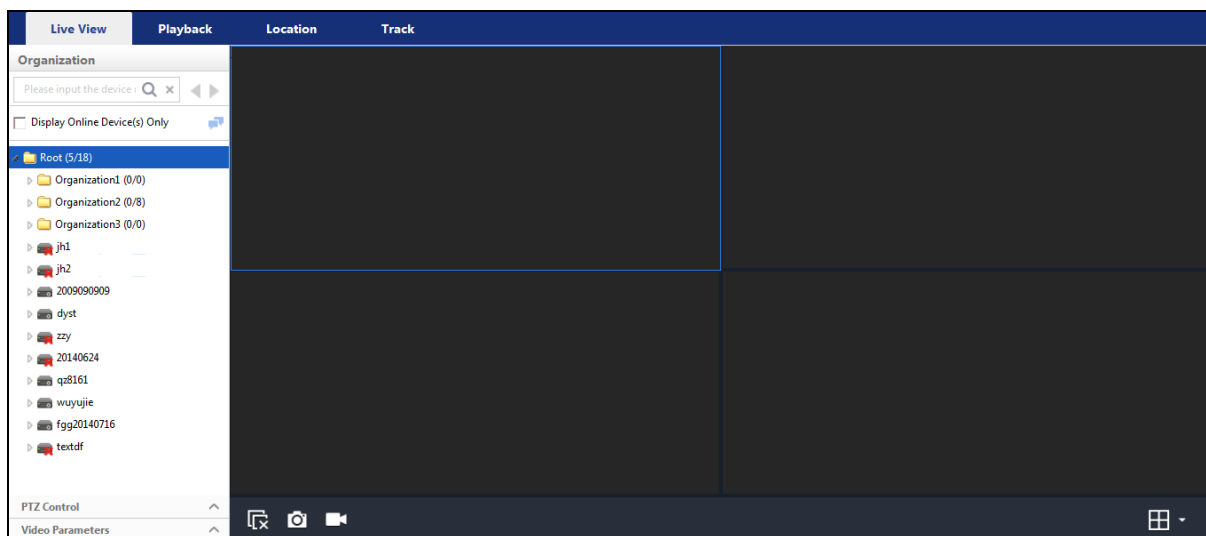






Figure 4. 2 Live View






Figure 4. 3 Live View Toolbar

On the Live View interface, the following toolbar buttons are available:

	Stop All Previews	Stop the live view of all the cameras.
	Capture All	Capture pictures of all the cameras in the live view process.
	Start / Stop All Recording	Start / Stop the recording of all the cameras.
	Window-division Mode	1 / 4 / 9 / 16-division screen layout modes are selectable.

4.1.1 Starting / Stopping Live View

Steps:

1. Select the screen layout mode for live view.
4 types of screen layout modes are selectable: 1-division, 4-division, 9-division and 16-division.
2. Double-click the camera name in the resource tree on the left-side to start the live view.
The camera icon changes from  to .
3. Optionally, you can double-click on the display window to enlarge the window for better view.
4. To stop the live view, double-click the camera name in live view;
Or click the icon  in the toolbar to stop the live view of all cameras.

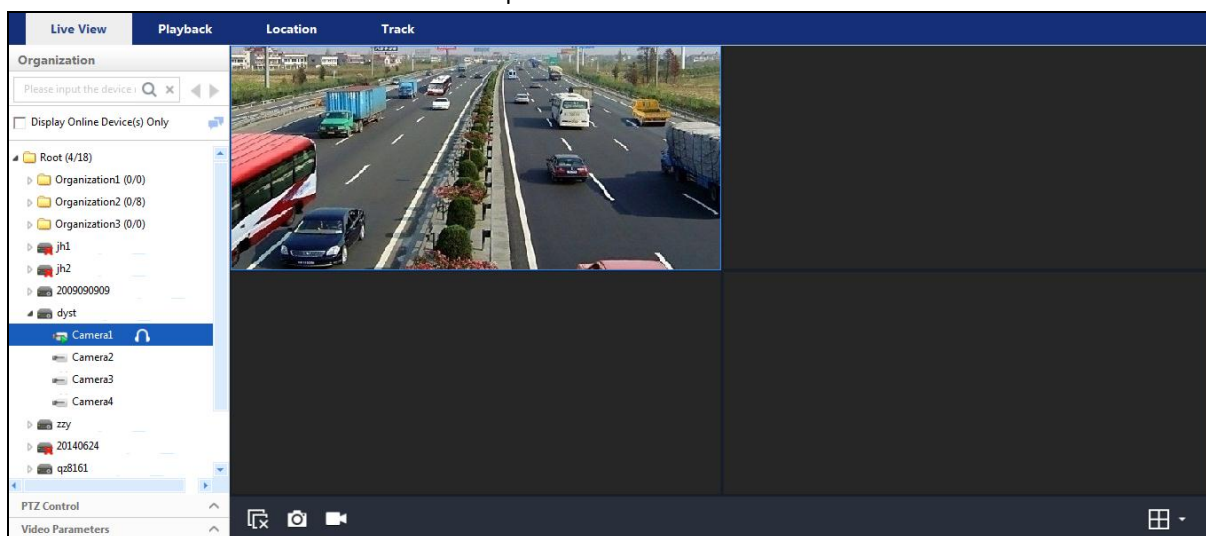






Figure 4. 4 Live View

Move the mouse to the live view window, the toolbar of the live view window pops up at the bottom:



Figure 4. 5 Toolbar of Live View Window

	Capture	Capture pictures of the current camera in the live view process.
	Start / Stop Recording	Start / Stop the recording of the current camera.
	Enable / Disable Audio	Click to enable / disable the audio of the current camera.
	More	Configure more settings, including the PTZ control, video information display, video rotation mode and scene proportions.





It is required that the user should run the web browser as the administrator to do operations relating

to the file saving path, such as capturing the pictures, recording the video files, etc.

4.1.2 Capturing Pictures in Live View

Steps:

1. Start the live view of the cameras.
2. Click the Capture All icon  in the live view toolbar to capture the pictures of all live view cameras;
Or click the Capture icon  at the bottom of the live view window to capture the pictures of the current live view camera.
3. The captured pictures are stored under the saving path of `C:\EHomeAllFiles\PreviewPic` by default.
You can modify the saving path on the Local Configuration interface if needed. For details, see *Section 2.4 Local Configuration*.

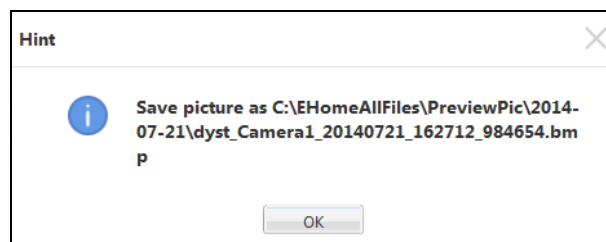





Figure 4. 6 Capture Pictures in Live View

4.1.3 Starting / Stopping the Recording

Steps:

1. Start the live view of the cameras.
2. Click the Start All Recording icon  in the live view toolbar to record the video of all live view cameras;
Or click the Record icon  at the bottom of the live view window to record the video of the current live view camera.
3. To stop the recording, click  in the live view toolbar or at the bottom of the live view window.
4. The recordings are stored under the saving path of `C:\EHomeAllFiles\Record` by default.
You can modify the saving path on the Local Configuration interface if needed. For details, see *Section 2.4 Local Configuration*.

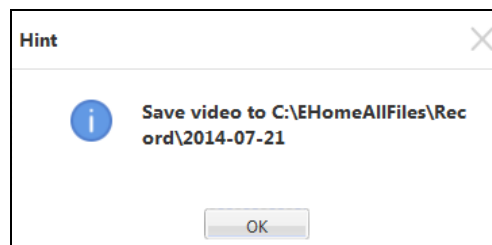






Figure 4. 7 Start / Stop Recording

4.1.4 Enabling / Disabling Two-way Audio

Steps:

1. Move the mouse to the device name in the resource tree on the left-side.
2. Click the icon  to start the two-way audio between device and platform.
The device icon turns from  to .
3. To stop the two-way audio, click the icon  again.

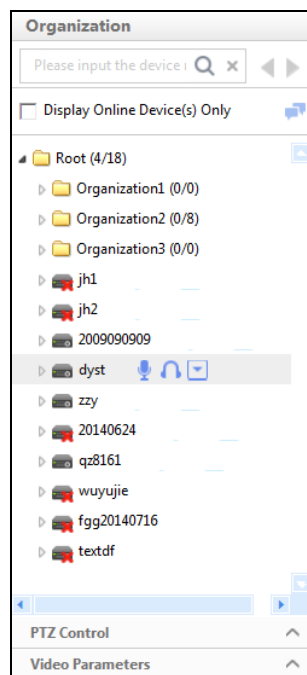


Figure 4. 8 Enable / Disable Two-way Audio





4.1.5 Enabling / Disabling Audio Monitoring

Purpose:

You can monitor the audio of the online devices via the microphone or sound pickup.

Enabling / Disabling Audio Monitoring via Microphone

Steps:

1. Move the mouse to the device name in the resource tree on the left-side.
2. Click the icon  to enable the microphone audio monitoring of the device.
The device icon turns from  to .
3. To stop the microphone audio monitoring, click the icon  again.

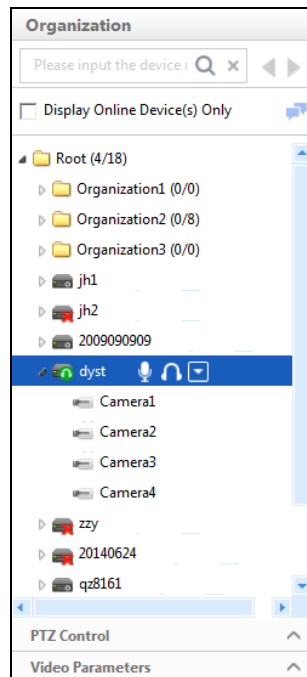






Figure 4. 9 Enable Audio Monitoring via Microphone

Enabling / Disabling Audio Monitoring via Sound Pickup

Steps:

1. Move the mouse to the camera name in the resource tree on the left-side.
 2. Click the icon  to enable the sound pickup audio monitoring of the camera.
The camera icon turns from  to .
- To stop the sound pickup audio monitoring, click the icon  again.

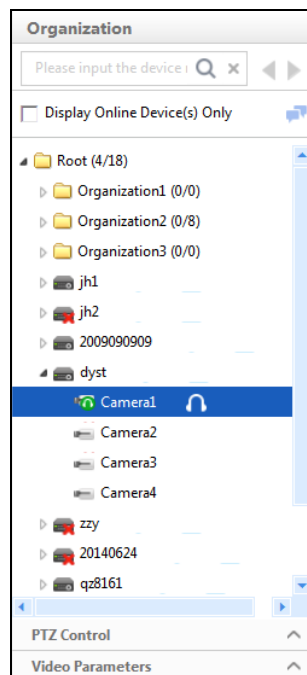


Figure 4. 10 Enable Audio Monitoring via Sound Pickup




- The audio monitoring function cannot be enabled during live view.
- Starting live view or two-way audio will stop the current audio monitoring process.
- You can monitor the microphone audio of one device via multiple platforms; or monitor the sound pickup audio of one camera via multiple platforms.


4.1.6 Sending Messages

Purpose:

You can send messages from the platform to the device.

Steps:

1. Move the mouse to the device name in the resource tree on the left-side.
2. Click the icon  and select **Send Message** to open the Send Message dialog box.
3. Input the content in the text field.
4. Optionally, you can check the checkbox of Voice to enable the voice broadcast function.
5. Click the **Send** button to send the message to the selected device.

You can also click the icon  in the upper-right corner of the resource tree area, and then send a mass message to the selected devices.

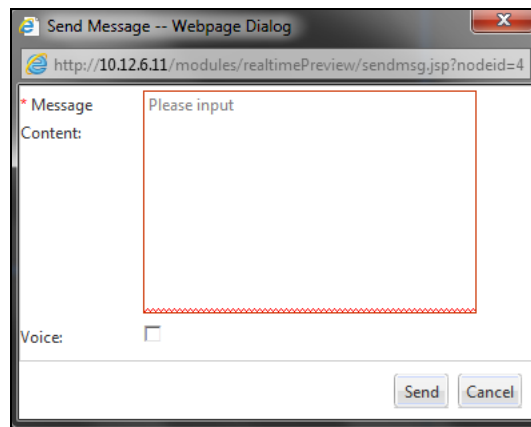



Figure 4. 11 Send the Message

4.1.7 Viewing Device Information

Purpose:

You can view the device information, including the HDD status, recording status, video signal, etc.

Steps:

1. Move the mouse to the device name in the resource tree on the left-side.
2. Click the icon  and select **Device Info** to open the Device Information message box.
You can view the device status, CPU usage, memory usage, local display status, alarm input / output status, HDD status, recording status and video signal status.

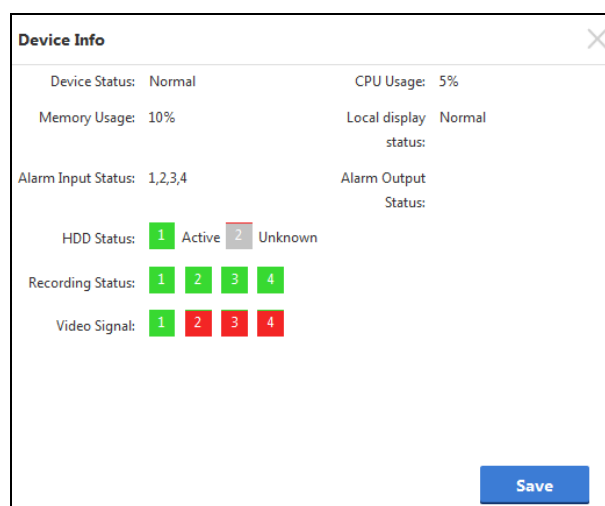


Figure 4.12 View Device Information

4.1.8 PTZ Control

Purpose:










iVMS-7200 provides PTZ control for cameras with pan/tilt/zoom functionality. You can set and call the preset for the cameras on the PTZ Control panel. And you can also open window PTZ control for the operations of PTZ cameras.

Click the icon  to expand the PTZ Control Panel.



Figure 4.13 PTZ Control

The following buttons are available on the PTZ Control panel:

		Zoom In / Zoom Out
		Focus Far / Focus Near
		Iris Open / Iris Close
		Open / Close the Light
		Open / Close the wiper
		Start / Stop auto scanning

You can use the direction buttons to steer the camera to the desired view.

You can also move the slider on the bar to adjust the value of scanning speed.

Configuring the Preset

A preset is a predefined image position which contains information of pan, tilt, focus and other parameters.

Perform the following steps to add a preset:

Steps:

1. Click the direction buttons on the PTZ control panel to steer the camera to the desired view.
2. Input a preset number in the text field on the PTZ control panel.
3. Click the **Set** button to set the preset.

Calling the Preset

Steps:


1. Input the preset number in the text field on the PTZ control panel.
2. Click the **Call** button to call the pre-defined preset.

4.1.9 Video Parameters Settings

Purpose:

The video parameters, including the brightness, contrast, saturation and hue, can be configured to create better visual effects.

Steps:

1. Click the icon  to expand the Video Parameters Settings page.
2. Move the slider to adjust the brightness, contrast, saturation or hue of the live video.
3. Click the **Default Value** button, and you can restore the defaults of the video parameters.

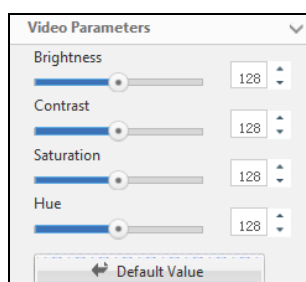


Figure 4. 14 Video Parameters Settings

4.1.10 Remote Configuration

Purpose:

The parameters of the online devices, such as the network information, channel information, serial port parameters, etc., can be configured. You can also upgrade and reboot the devices remotely.


Move the mouse to the device name in the resource tree, click the icon  and select **Remote Config** to open the Remote Configuration page.

Figure 4. 15 Remote Configuration-Basic Settings

Click the **Reboot** button, and you can reboot the device remotely.

Click the **Advanced Settings** button in the lower-left corner and all the remote configuration parameters will be displayed.

Figure 4. 16 Remote Configuration-Advanced Settings

Parameters	Descriptions
Version Info	Firmware version, encoding version, panel version and hardware version.
Device Info	Device name, device ID, HDD number, alarm input/output number, cycle recording settings, video out scaling, etc.
Network Info	Device IP address, port number, DDNS settings, etc.
Channel Info	Display settings, video settings, record schedule settings, motion detection settings, capturing schedule settings, etc.
Serial Port Parameters	RS-232 and RS-485 settings
Alarm Parameters	Alarm input and output settings.
Exception Parameters	Exception type and the linkage action settings.

Remote Upgrade	Upgrade the device remotely.
Reboot	Reboot the device remotely.



The Device Registration Info and GPS Parameters are invalid if the device is added via the IP address.

Viewing Version Info

Click the **Version Info** tab, and you can view the version information of the device, including firmware version, encoding version, panel version and hardware version.

```

Firmware Version: V2.4.0 build 140112

Encoding Version: V5.0 build 140108

Panel Version: 1

Hardware Version: 0xc200
  
```

Figure 4. 17 View Version Information

Viewing Device Info

Steps:

1. Click the **Device Info** tab, and you can view the basic information of the device, including the device name, device ID (for remote control), device type, device serial No., etc.
2. Select Yes / No from the drop-down list to enable / disable the cycle recording of the device.
If the cycle recording of device is enabled, the record files will be overwritten when the HDD becomes full. Otherwise, the recording will stop when the HDD becomes full.
3. Select Yes / No from the drop-down list to enable / disable the main video out scaling and auxiliary video output scaling.
4. Click **Save** the save the new settings.

```

Device Info

Device Name: mobileDVR
Device ID: 255 The device ID ranges from 1 to 255.
Device Type: DVR_MOBILE
Device Serial No.: 0120121008CCCH000000001WCVU
Channel Number: 4
HDD Number: 1
Alarm Input Number: 4
Alarm Output Number: 2
Cycle Recording: Yes
Enable main Vout scaling: No
Enable auxiliary Vout scaling: No
  
```

Figure 4. 18 View Device Information

Viewing Registration Info

Steps:

1. Click the **Device Registration Info** tab, and you can view the device registration information, including the central server IP address, central server port No., and registered device ID.
2. Modify the registration parameters if needed, and click **Save** the save the new settings.

Device Registration Info

Central Server IP: 10.12.6.11

Central Server Port: 7660

Device ID: 2009090909

Save Reset

Figure 4. 19 View Registration Information

Configuring Network Settings

Steps:

1. Click the **Network Settings** tab under the Network Info title.
2. Configure the basic network parameters of device, including the NIC type, device IP address, device port., subnet mask, gateway, multicast address and HTTP Port.
3. Configure the advanced network parameters of device, including DNS server IP address, alarm host settings, IP server settings, etc.
 - **DNS1 / DNS2 Server IP Address:** IP address of preferred / alternate DNS server.
 - **Alarm Host:** With a remote alarm host configured, the device will send the alarm event or exception message to the host when an alarm is triggered. The Alarm Host IP refers to the IP address of the remote PC on which the CMS (Client Management System) software (e.g., iVMS-4200) is installed, and the Alarm Host Port must be the same as the alarm monitoring port configured in the software.
 - **IP Resolver Address:** IP address of IP server.
4. Click **Save** to save the new settings.

Basic Info

NIC Type: 10M/100M/1000M Self-adaptive Device IP Address: 192.168.1.110

Device Port: 7999 Subnet Mask: 255.255.255.0

Gateway: 192.168.1.1 Multicast Address: 0.0.0.0

MAC Address: 00:40:30:11:11:12 HTTP Port: 80

Advanced Settings

DNS1 Server IP Address: 0.0.0.0 DNS2 Server IP Address: 0.0.0.0

Alarm Host IP: 0.0.0.0 Alarm Host Port: 0

IP Resolver Address: 0.0.0.0 IP Resolver Port: 7070

Enable PPPoE: ☐ PPPoE User Name:

PPPOE Password: Dynamic IP Address: 0.0.0.0

Save Reset

Figure 4. 20 Configuring Network Settings



DDNS and NTP are reserved for the system.

Configuring Display Settings

Steps:

1. Click the **Display Settings** tab under the Channel Info title.
2. Select the channel from the drop-down list.
3. Configure the display settings of channel name.
 - 1) Check the checkbox of **Display Name** to display the channel name on the video image.
 - 2) Input the channel name in the text field as desired.
 - 3) Set the X-coordinate and Y-coordinate to locate the channel name on the video image.
4. Configure the display settings of OSD (On Screen Display) information.
 - 1) Check the checkbox of **OSD** to display the OSD information on the video image.
 - 2) Set the X-coordinate and Y-coordinate to locate the OSD on the video image.
 - 3) Select the OSD type from the drop-down list to set the display format of the OSD.
 - 4) Select the display status for the OSD.
5. Select Yes / No to enable / disable the week information display.
6. Optionally, you can click **Copy to channel** to copy the current settings to the other channels.
7. Click **Save** to save the new settings.

Figure 4. 21 Configure Display Settings

Configuring Video Settings

Steps:

1. Click the **Video Settings** tab under the Channel Info title.
2. Select the channel from the drop-down list.
3. Set the video parameters for the selected channel, including the stream category, stream type, resolution, image quality, etc.
4. Optionally, you can click **Copy to channel** to copy the current settings to the other channels.
5. Click **Save** to save the new settings.

Video Parameters

Channel No.: A1

Stream Category: Main Stream (for recording)

Stream Type: Video&Audio

Resolution: 4CIF(704*576)

Image Quality: Medium

Bitrate Type: Constant Bitrate

Bitrate: 512Kbps

Customized Bitrate: Kbps The customized bitrate ranges from 32 to 8192Kbps.

Frame Rate: Full Frame

Frame Type: P

I Frame Interval: 25 I frame interval ranges from 1 to 400

Copy to channel

Save Reset

Figure 4. 22 Configure Video Settings

Configuring Record Schedule

Steps:

1. Click the **Record Schedule** tab under the Channel Info title.
2. Select the channel from the drop-down list.
3. Check the checkbox of **Enable Record** to enable the recording function of the channel.
4. Configure the recording parameters, including video expired time, pre-record, post-record, redundant record and audio record.
 - **Video Expired Time:** The time for keeping the record files in the HDDs, once exceeded, the files will be deleted. The files will be saved permanently if the value is set as 0. The actual keeping time for the files should be determined by the capacity of the HDDs.
 - **Pre-record:** The time you set to record before the scheduled time or event. For example, when an alarm triggered the recording at 10:00, if you set the pre-record time as 5 seconds, the camera records it at 9:59:55.
 - **Post-record:** The time you set to record after the event or the scheduled time. For example, when an alarm triggered the recording ends at 11:00, if you set the post-record time as 5 seconds, it records till 11:00:05.
 - **Redundant Record:** Save the video files not only in the R/W HDD but also in the redundant HDD.
 - **Audio Record:** Select Yes / No to record the video with / without the audio.
5. Configure the schedule template for recording.
 - 1) Select the day from the drop-down list.
 - 2) Select All-day Record and then select the recording type from the drop-down list.
 - 3) Select Record by Time, set the start / end time and select the record type, you can also customize the time segment for recording in a day.
6. Optionally, you can click **Copy to week** to copy the current record schedule settings to the other days in the week.
7. Optionally, you can click **Copy to channel** to copy the current settings to the other channels.
8. Click **Save** to save the new settings.

Record Schedule of Camera

Channel No.: A1

Enable record: ☒

Video Expired Time: 0 Day

Pre-record: 20Seconds Post-record: 5Seconds

Redundant Record: No Audio Record: Yes

Record Time

Week: Monday

☐ All-day Record

Record Type: Schedule Record

☒ Record by time

Period	Start Time	End Time	Record Type
1	00 Hour 00 Minute	24 Hour 00 Minute	Schedule Record
2	00 Hour 00 Minute	00 Hour 00 Minute	Schedule Record
3	00 Hour 00 Minute	00 Hour 00 Minute	Schedule Record
4	00 Hour 00 Minute	00 Hour 00 Minute	Schedule Record

Copy to week

Copy to channel

Save Reset

Figure 4. 23 Configure Record Schedule

Configuring Motion Detection Alarm

Steps:

1. Click the **Motion Detection** tab under the Channel Info title.
2. Select the channel from the drop-down list.
3. Check the checkbox to enable the motion detection function.
4. Click the **Set Area** tab, click **Start drawing**, and then click-and-drag the mouse to draw a defined area for motion detection. You can click **Clear all** to clear all the defined areas.
5. Set the motion detection sensitivity. The larger the value is, the more sensitive the detection is.
6. Set the video streaming type as Real-time Priority or Fluency Priority.
7. Click the **Arming Schedule** tab, and configure the arming schedule for motion detection.
8. Click the **Linkage Action** tab, and check the checkboxes to activate the linkage actions.
9. Optionally, you can click **Reset** to restore the original parameters if needed.
10. Click **Save** to save the settings.

Figure 4. 24 Configure Motion Detection Alarm

Configuring Video Loss Alarm

Steps:

1. Click the **Video Loss** tab under the Channel Info title.
2. Select the channel from the drop-down list.
3. Check the checkbox to enable the video loss alarm.
4. Click the **Arming Schedule** tab, and configure the arming schedule for video loss alarm.
5. Click the **Linkage Action** tab, and check the checkboxes to activate the linkage actions.
6. Optionally, you can click **Reset** to restore the original parameters if needed.
7. Click **Save** to save the settings.

Figure 4. 25 Configure Video Loss Alarm

Configuring Video Tampering

The privacy mask can be defined on the video image to protect the individual privacy if needed.

Steps:

1. Click the **Video Tampering** tab under the Channel Info title.
2. Select the channel from the drop-down list.
3. Check the checkbox to enable the privacy mask function.
4. Click **Start drawing**, and then click-and-drag the mouse to draw a privacy mask. You can click **Clear all** to clear the defined masks.
5. Set the video streaming type as Real-time Priority or Fluency Priority.
6. Optionally, you can click **Reset** to restore the original parameters if needed.
7. Click **Save** to save the settings.

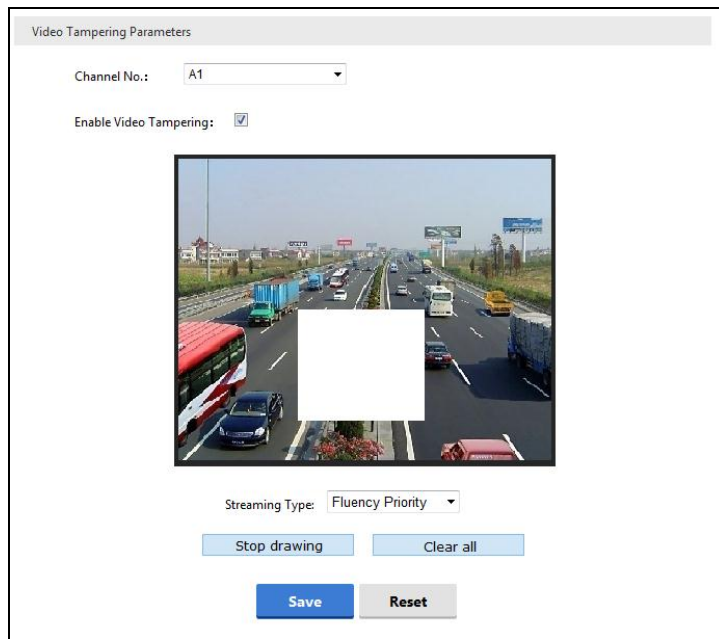


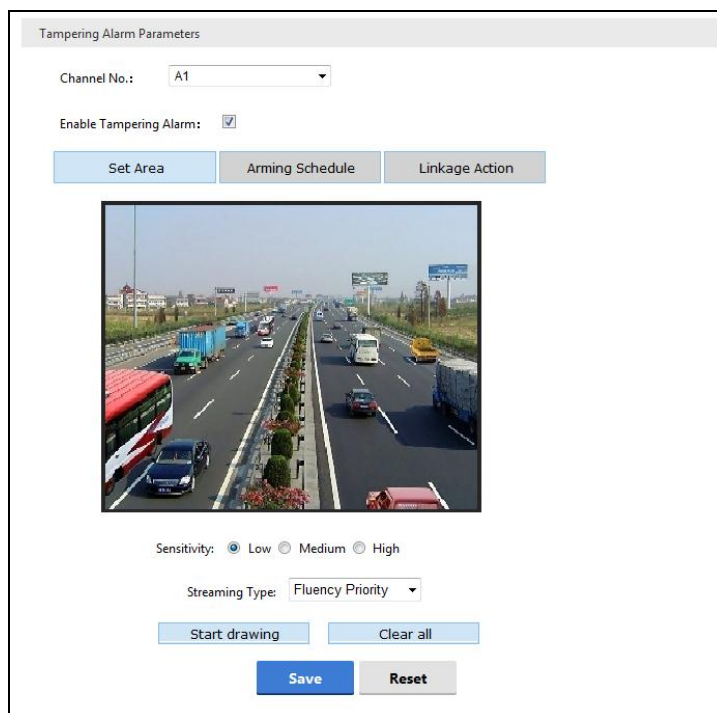
Figure 4. 26 Configure Video Tampering

Configuring Tampering Alarm

A tampering alarm is triggered when the camera is covered and the monitoring area cannot be viewed. The linkage actions, including alarm output and client action can be set.

Steps:

1. Click the **Tampering Alarm** tab under the Channel Info title.
2. Select the channel from the drop-down list.
3. Check the checkbox to enable the tampering alarm.
4. Click the **Set Area** tab, click **Start drawing**, and then click-and-drag the mouse to draw a defined area for tampering detection. You can click **Clear all** to clear all the defined areas.
5. Set the tamper-proof sensitivity.
6. Set the video streaming type as Real-time Priority or Fluency Priority.
7. Click the **Arming Schedule** tab, and configure the arming schedule for tampering alarm.
8. Click the **Linkage Action** tab, and check the checkboxes to activate the linkage actions
9. Optionally, you can click **Reset** to restore the original parameters if needed.
10. Click **Save** to save the settings.



Tampering Alarm Parameters

Channel No.: A1

Enable Tampering Alarm: ☒

Set Area Arming Schedule Linkage Action

Sensitivity: ☒ Low ☐ Medium ☐ High

Streaming Type: Fluency Priority

Start drawing Clear all

Save Reset

Figure 4. 27 Configure Tampering Alarm

Configuring Text Overlay

Some character strings can be edited and displayed on the screen. This function requires the support of device.

Steps:


1. Click the **Text Overlay** tab under the Channel Info title.
2. Select the channel from the drop-down list.
3. Set the video streaming type as Real-time Priority or Fluency Priority.
4. Check the checkbox to enable the character string display.
5. Edit the content of the character string, and input the X/Y-coordinate to locate the string.
6. Optionally, you can click **Reset** to restore the original parameters if needed.
7. Click **Save** to save the settings.



Up to 8 character strings can be set on the video image.

Text Overlay Parameters

Channel No.: A1



Streaming Type: Fluency Priority

Display characters	Characters	X-coordinate of Character	Y-coordinate of Character
<input checked="" type="checkbox"/> Character String1	Text	200	96
<input type="checkbox"/> Character String2		0	80
<input type="checkbox"/> Character String3		0	80
<input type="checkbox"/> Character String4		0	80
<input type="checkbox"/> Character String5			
<input type="checkbox"/> Character String6			
<input type="checkbox"/> Character String7			
<input type="checkbox"/> Character String8			

Save Reset

Figure 4. 28 Configure Text Overlay

Configuring Capturing Schedule

The capturing schedule can be set to capture pictures at the scheduled time point or in the scheduled time period. The captured pictures are stored on the central server and can be searched remotely.

Steps:

1. Click the **Capturing Schedule** tab under the Channel Info title.
2. Select the channel from the drop-down list.
3. Check the checkbox to enable the capturing schedule.
4. Set the capturing parameters, including the multi shots, capturing interval, resolution and image quality.
5. Set the capturing time. You can capture the pictures both at the scheduled time point and in the scheduled period.
6. Optionally, you can click **Copy to channel** to copy the settings to other channels.
7. Optionally, you can click **Reset** to restore the original parameters if needed.
8. Click **Save** to save the settings.



The capturing schedule function requires the support of the device.

Figure 4. 29 Configure Capturing Schedule

Configuring GPS Parameters

Steps:

1. Click the **GPS Parameters** tab.
2. Set the uploading interval of the GPS information, and the limit value of overspeed alarm.
3. Click **Save** to save the settings.

Figure 4. 30 Configure GPS Parameters

4.2 Playback

Purpose:

The recordings stored on the local DVR or the central storage device can be searched and played back remotely.

Click the icon  on the Home Page,

or click the **Playback** tab on the Monitoring Subsystem page to enter the Playback interface.

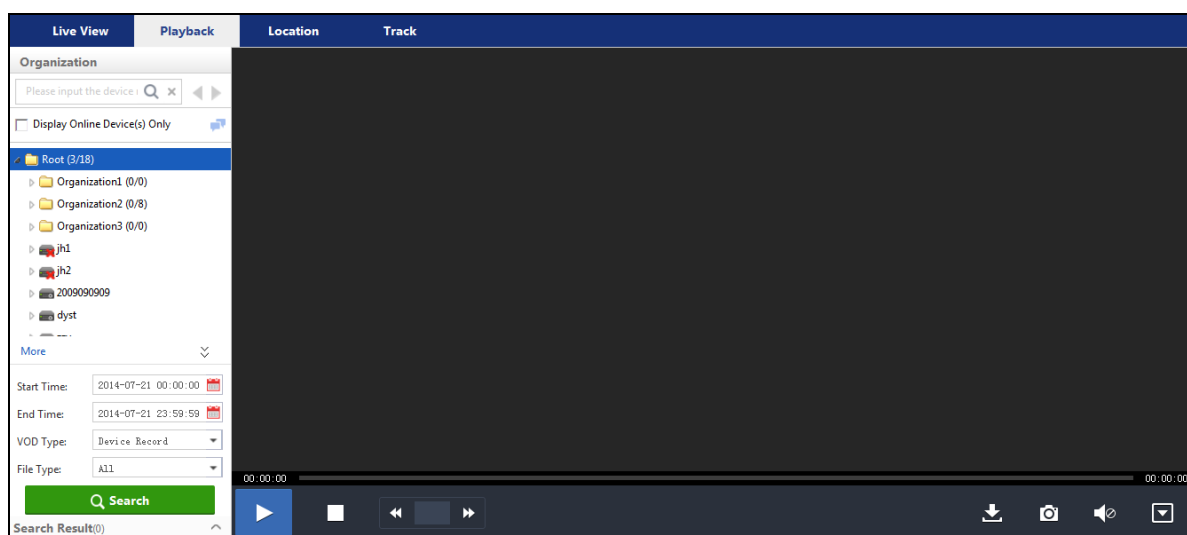


Figure 4. 31 Playback



Figure 4. 32 Playback Toolbar

On the Playback interface, the following toolbar buttons are available:

	Pause/Play	Pause / Resume the playback of record files.
	Stop All	Stop the playback of all cameras.
	Speed Down	Decrease the playback speed of the record files.
	Speed Up	Increase the playback speed of the record files.
	Download	Download the video clip.
	Capture	Capture pictures in the playback process.
	Open/Close Audio	Click to open/close the audio in playback and adjust the audio volume.
	More	Configure more settings, including the video rotation mode and scene proportions.

4.2.1 Searching Record Files

Steps:

1. Select the camera in the resource tree on the left-side for search.
2. You can click the More icon to view the calendar.
If there are record files for that camera in that day, in the calendar, the icon for that day is displayed as

. Otherwise it is displayed as .

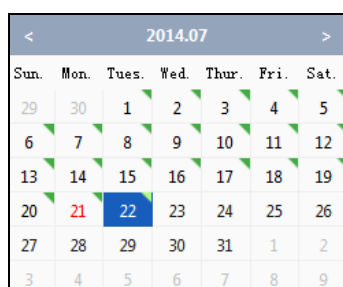



Figure 4. 33 Calendar

3. Click the icon  to specify the start time and end time.
4. Select the VOD type from the drop-down list.
You can search the record files stored on local DVR or central storage device.
5. Select the file type from the drop-down list.
7 types of record files are selectable: scheduled recordings, recordings triggered by motion, recordings triggered by alarm, recordings triggered by motion or alarm, recordings triggered by motion and alarm, recordings triggered by command and manual recordings.
6. Click the **Search** button, and the record files will be displayed on the list.
Move the mouse to the record file item, and you can view the start time, end time, file type and file size



- The start time and end time for record files search should be within the same day.
- Up to 256 record files can be displayed on the list.













Organization		
Search Result(23)		
2009090909 - Camera1		
2014-07-21 (00:00:00 - 23:59:59)		
1	2014-07-20 23:25:16	
2	2014-07-21 00:00:02	
3	2014-07-21 00:37:02	
4	2014-07-21 01:46:22	
5	2014-07-21 02:58:42	
6	2014-07-21 04:11:20	
7	2014-07-21 05:23:32	
8	2014-07-21 06:38:16	
9	2014-07-21 07:53:04	
10	2014-07-21 08:59:16	
11	2014-07-21 10:05:30	
12	2014-07-21 11:11:40	
Page 1 of 2		

Figure 4. 34 Search Results of Record Files

4.2.2 Playing Back Record Files





1. Search the record files. For details, see *Section 4.2.1 Searching Record Files*.
2. Click the record file item on the list to play it back.
3. You can click the icon  /  in the playback toolbar to pause or resume the playback process.
4. To stop the playback, click the icon  in the playback toolbar.



Figure 4. 35 Normal Playback

4.2.3 Capturing Pictures in Playback

Steps:

1. Start the playback of the camera.
2. Click the Capture icon  in the playback toolbar to capture the pictures in playback;
3. The captured pictures are stored under the saving path of C:\EHomeAllFiles\PlaybackPic by default.
You can modify the saving path on the Local Configuration interface if needed. For details, see *Section 2.4 Local Configuration*.

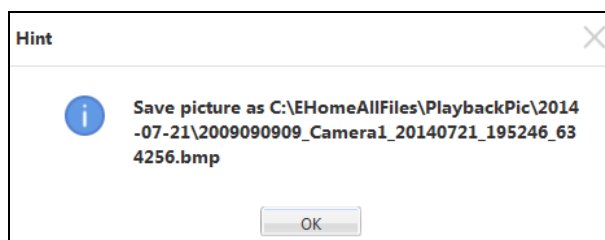



Figure 4. 36 Capture Pictures in Playback

4.2.4 Downloading Video Clips

Purpose:

You can download the video clips of the recordings for backup.

Steps:

1. Start the playback of the camera.
2. Click the icon  in the playback toolbar to open the Download dialog box.
3. You can select **Download Whole Video** to download the whole current record file;
You can also select **Download by Time**, and then set the start time and end time to download the specified record file segment.
4. Click the **Download** button to download the video clip.
5. The video clips are stored under the saving path of C:\EHomeAllFiles\DownLoad by default.

You can modify the saving path on the Local Configuration interface if needed. For details, see *Section 2.4 Local Configuration*.

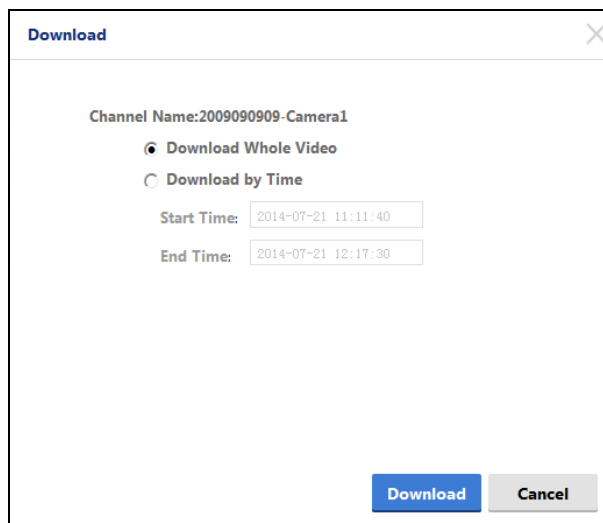



Figure 4.37 Download Video Clips

4.3 Location

Purpose:

You can view the real-time location information of the devices on the E-map, including the longitude, latitude, direction angle, current speed, etc.

Click the icon  on the Home Page, or click the **Location** tab on the Monitoring Subsystem page to enter the Location interface.

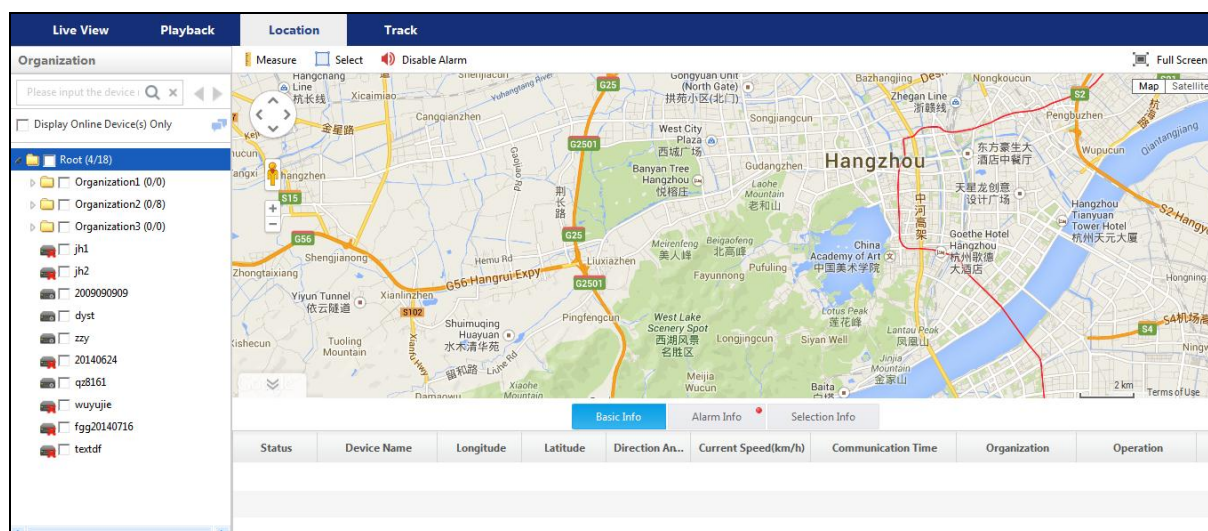


Figure 4.38 Location



You can select the normal 2D map or satellite map in the upper-right corner of the interface.

4.3.1 Measuring the Distance

Purpose:

You can measure the distance between two points on the E-map.

Steps:

1. Click the **Measure** button on the top of the E-map to enable the distance measurement function.
2. Click the mouse to specify the start point on the E-map.
3. Move the mouse to the next point and click the mouse again to fix it.
4. Repeat the step 2 until you reach the end point.
5. Right-click the mouse to complete the measurement.

The distance between the start point and end point is displayed on the E-map.

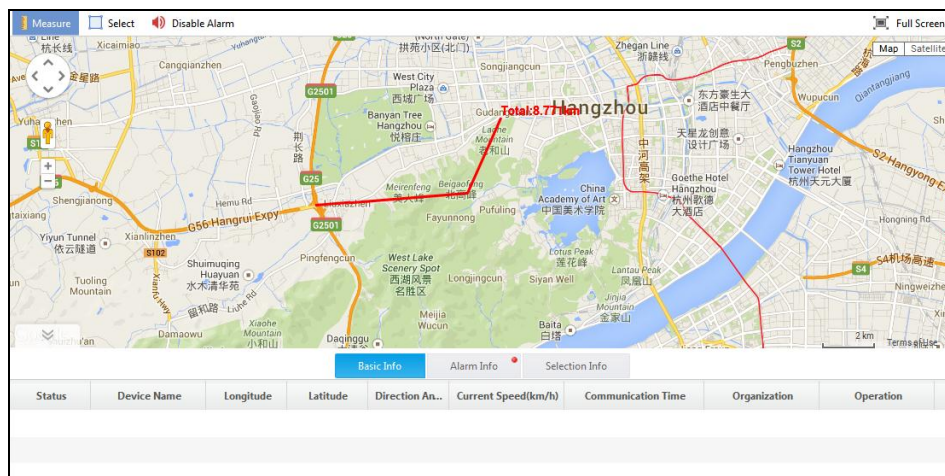


Figure 4. 39 Measure the Distance

4.3.2 Selecting the Area

Purpose:

You can select an area on the E-map and the information of the devices in the selected area will be displayed.

Steps:

1. Click the **Select** button on the top of the E-map to enable the device selection function.
2. Click the mouse to specify the key point 1 of the area.
3. Move the mouse and right-click on the E-map to specify the key point 2 of the area.

The specified area is displayed on the E-map.

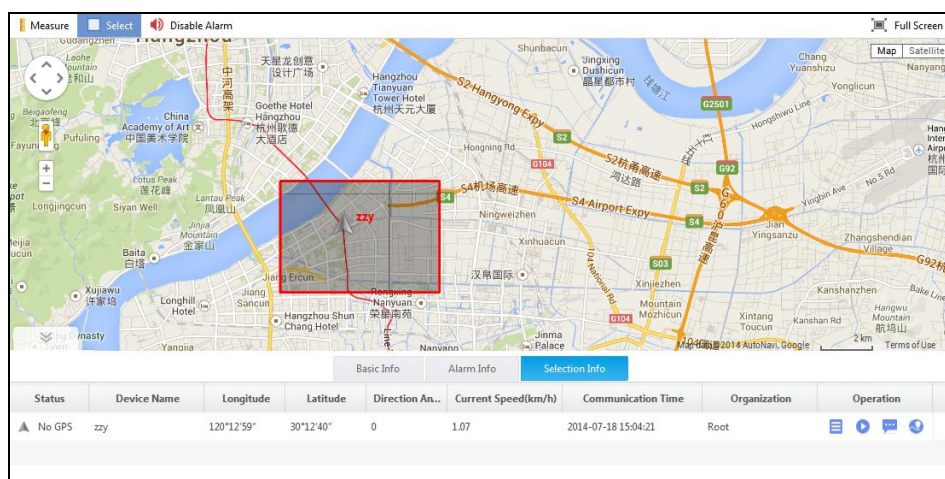


Figure 4. 40 Select the Device

4.3.3 Enabling / Disabling Audible Warning

Steps:

1. Click **Enable Alarm** on the top of the E-map to enable the audible alarm.
2. You can click **Disable Alarm** to disable the audible alarm.

4.3.4 Viewing the Devices

Purpose:

You can view the devices on the E-map, including the GPS information, detailed vehicle information, etc.

Steps:

1. Check the checkboxes to select the devices in the resource tree on the left-side.
The selected devices will be marked as arrows of different colors on the E-map. You can click the arrow on the E-map, and view the details of the devices.
2. Click the **Basic Info** tab, and you can view the details of the selected devices, including the longitude, latitude, direction angle, etc.
3. Click the **Alarm Info** tab, and you can view the alarm information including the alarm time, alarm type, device details, etc. You can enable / Disable an audible warning for the alarm. For details, see *Section 4.3.3 Enabling / Disabling Audible Warning*.
4. Click the **Selection Info** tab, and you can view the details of the devices located in the specified area. For details of Setting the specified area, see *Section 4.3.2 Selecting the Area*.



Green arrow indicates the vehicle is running normally; yellow arrow indicates the vehicle speed is lower than 5Km/h; red arrow indicates device alarm occurs; grey arrow indicates the device is offline.

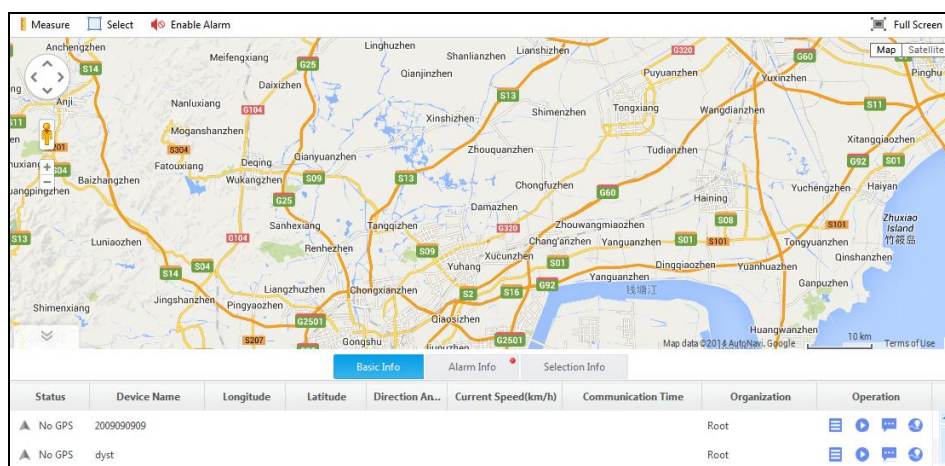


Figure 4.41 View Device Information

When you view the device information on the Location interface, the following icons are available:

- Details** View the details of the device, including speed, online status, direction angle, etc.
- Video** Get the live video of the device.
- Message** Send messages to the device.
- Track** Click to Enable/Disable vehicle tracking. The track of the vehicle can be displayed on the E-map if vehicle tracking is enabled.

4.4 Track

Purpose:

The moving routes of the vehicles can be tracked and played back on the E-map.

Click the icon on the Home Page,

or click the **Track** tab on the Monitoring Subsystem page to enter the Track interface.

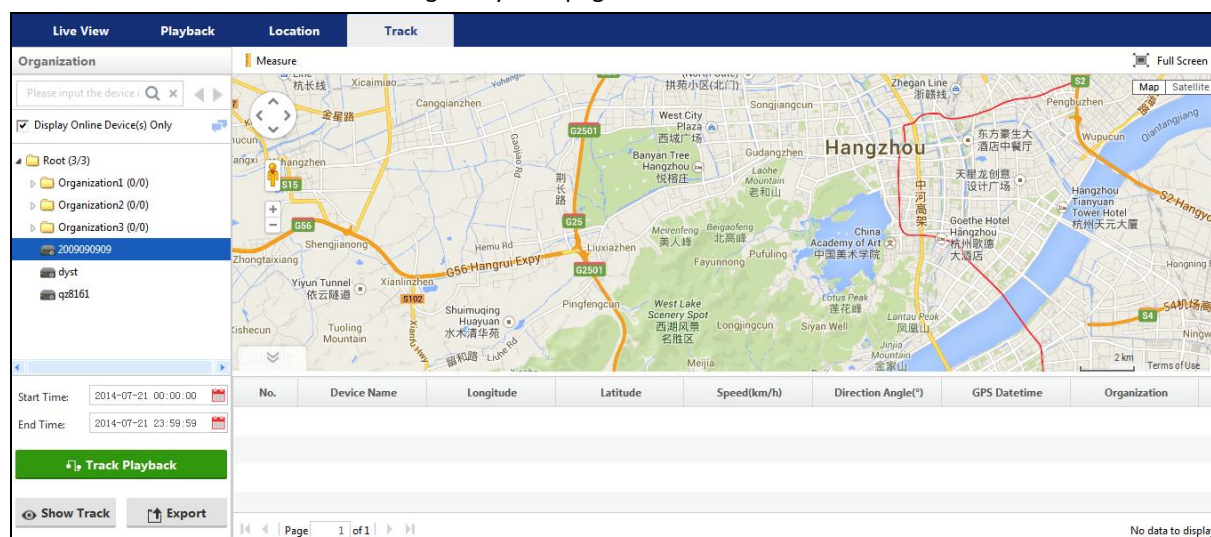




Figure 4.42 Track

Steps:

1. Select the device in the resource tree on the left-side.
2. Click the icon to specify the start time and end time.
3. Click the **Track Playback** button to search the track of the vehicle and play it back.

You can view the real-time location information of the device on the E-map.

You can also view the details of the device at the bottom of the E-map, including the longitude, latitude, speed, direction angle, etc.

4. Select the playback speed from the drop-down list in the track playback toolbar. Slow, Normal and Fast are selectable.
5. Set the time interval to mark the track of the vehicle.
6. You can click the icon  in the track playback toolbar to pause / start the track playback.
7. To stop the track playback, click the icon .

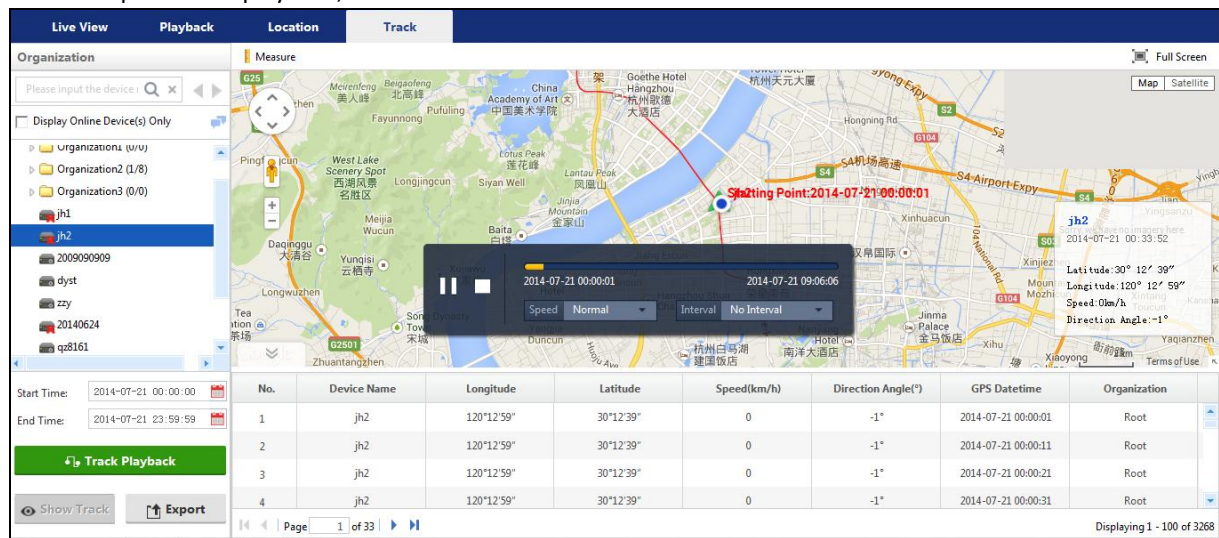


Figure 4. 43 Track Playback

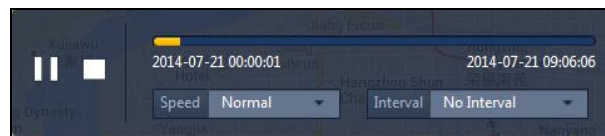


Figure 4. 44 Track Playback Toolbar

Chapter 5 Query Sub-system

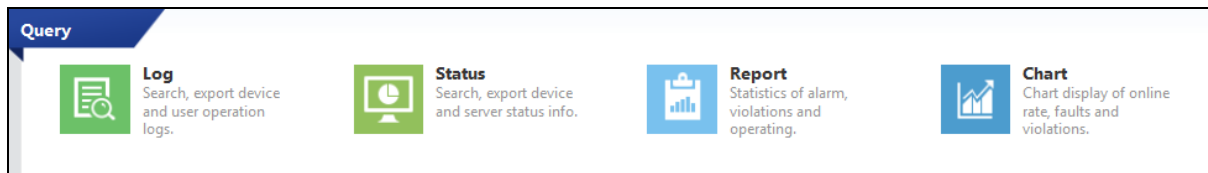


Figure 5.1 Query Module

5.1 Log Search

Purpose:

The log files record the activities of the devices. You can view the detailed information of the activities, such as the operation time, the type, the operator, etc.

Click the icon  on the Home Page,


or click the **Log** tab on the Query Subsystem page to enter the Log Search interface.



Figure 5.2 Log Search

5.1.1 Searching Device Logs

Steps:

1. Click the **Device Log** tab to open the Device Log page.
2. Check the checkboxes to select the devices in the resource tree on the left-side.
3. Click the icon  to specify the start time and end time.
4. Select the major type of logs from the drop-down list.
6 major types of logs are selectable: Alarm, Exception, Operation, Info, Vehicle Status and All.
5. Select the minor type of the logs to narrow the search range.

- Click **Search**. The log files of the selected devices will be displayed on different tab pages.
- You can click **Export** in the upper-right corner to export the device log files on the current tab page in the format of *.xls.



- Up to 10 devices can be selected from the resource tree for log search.
- The start time and end time for device logs search should be within the same day.
- Up to 200 log files can be displayed on the list for each device.

2009090909		dyst													Export
No.	Device ID	Organizati...	Log Time	Major T...	Minor T...	Local O...	Remote...	Remote...	Param...	Channel...	HDD No.	Input Port	Output...	Log Info	
1	2009090909	Root	2014-07-21 00:00...	Info	Stop rec...					1					
2	2009090909	Root	2014-07-21 00:00...	Info	Start rec...					1					
3	2009090909	Root	2014-07-21 00:00...	Info	Stop rec...					2					
4	2009090909	Root	2014-07-21 00:00...	Info	Start rec...					2					
5	2009090909	Root	2014-07-21 00:00...	Info	Stop rec...					3					
6	2009090909	Root	2014-07-21 00:00...	Info	Start rec...					3					
7	2009090909	Root	2014-07-21 00:00...	Info	Stop rec...					4					
8	2009090909	Root	2014-07-21 00:00...	Info	Start rec...					4					
9	2009090909	Root	2014-07-21 00:30...	Info	Smart Info						1				
10	2009090909	Root	2014-07-21 01:30...	Info	Smart Info						1				
11	2009090909	Root	2014-07-21 02:30...	Info	Smart Info						1				
12	2009090909	Root	2014-07-21 03:30...	Info	Smart Info						1				
13	2009090909	Root	2014-07-21 04:16...	Alarm	Motion...					1					

Figure 5.3 Search Results of Device Logs

5.1.2 Searching Operation Logs

Steps:

- Click the **Operation Log** tab to open the Operation Log page.
- Check the checkboxes to select the users in the resource tree on the left-side.
- Click the icon to specify the start time and end time.
- Select the major type of logs from the drop-down list.
6 major types of logs are selectable: Configuration module, Monitoring module, Query module, OA, Other and All.
- Select the minor type of the logs to narrow the search range.
- Click **Search**. The operation log files of the selected users will be displayed on the list.
- You can click **Export** in the upper-left corner to export the operation log files in the format of *.xls.

Export						
No.	Log Time	Operation	Object	User	Log	IP Address
1	2014-07-22 10:31:32	Operation Log	System	admin	Search Operation Log	10.12.6.107
2	2014-07-22 10:30:55	Operation Log	System	admin	Search Operation Log	10.12.6.107
3	2014-07-22 10:30:19	Device Log	2009090909	admin	Search Device Log:2009090909	10.12.6.107
4	2014-07-22 10:20:31	Server Status	System	admin	Search Server Status	10.12.6.107
5	2014-07-22 10:10:54	Device Status	System	admin	Search Device Status	10.12.6.107

Figure 5.4 Search Results of Operation Logs

5.2 System Status

Click the icon on the Home Page,

or click the **Status** tab on the Query Subsystem page to enter the System Status interface.

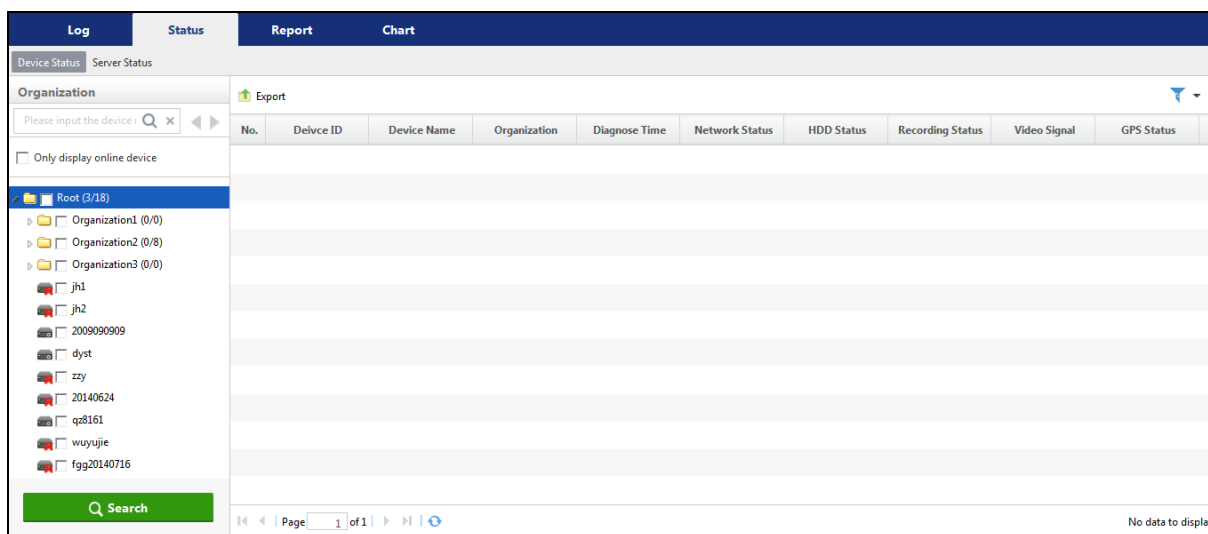


Figure 5.5 System Status

5.2.1 Searching Device Status

Steps:

1. Click the **Device Status** tab to open the Device Status page.
2. Check the checkboxes to select the devices in the resource tree on the left-side.
3. Click **Search**. The status information of the selected devices will be displayed on the list, including the network status, HDD status, recording status, video signal status, GPS status, etc.
4. You can click **Export** to export the device status statistics file to the local PC in the format of *.xls.

No.	Device ID	Device Name	Organization	Diagnose Time	Network Status	HDD Status	Recording Status	Video Signal	GPS Status
1	2009090909	2009090909	Root	2014-07-21 21:39:10					

Figure 5.6 Device Status

On the Device Status interface, the following icons are available:

	Network Status	HDD Status	Recording Status	Video Signal	GPS Status
	Online	Active	Recording	Normal	Online
	Offline	Sleeping	—	—	—
	—	Abnormal	Not Recording	Video Loss	—
	Unknown	Unknown	Unknown	Unknown	Offline

5.2.2 Searching Server Status


Steps:

1. Click the **Server Status** tab to open the Server Status page.
2. Check the checkboxes to select the servers in the resource tree on the left-side.
3. Click **Search**. The status information of the selected servers will be displayed on the list, including the CPU usage, memory usage, running time, etc.
4. You can click **Export** to export the server status statistics file to the local PC in the format of *.xls.

[illegible]

Figure 5.7 Server Status

5.3 Statistics Report

Click the icon  on the Home Page,
or click the **Report** tab on the Query Subsystem page to enter the Statistics Report interface.

[illegible]

Figure 5.8 Statistics Report



5.3.1 Searching Traffic Violations Statistics

Purpose:

You can search the traffic violations statistics, including Overspeed Statistics and Low Speed Statistics.

Overspeed Statistics Report

Steps:

1. Click the icon  to expand the Traffic Violation Statistics list.
2. Select the Overspeed Statistics from the list.
3. Select the device(s) from the drop-down list.
4. Click the icon  to specify the start time and end time.
5. Select the alarm type from the drop-down list.
6. Set the threshold of maximum speed in the text field.
7. Click the **Search** button to search the overspeed statistics.

You can view the details of overspeed, including the device name, device ID, alarm time, alarm type, etc.

8. You can click the **Reset** button to clear the search results, and do the search again.
9. You can click **Export** to export the overspeed statistics file to the local PC in the format of *.xlsx.

* Device:

zyz

* Start Time:

2014-07-13 00:00:00

* End Time:

2014-07-22 23:59:59

* Alarm Type:

OverSpeed

* Max-Speed(km/h):

10

Search

Reset

Export

No.	Device Name	Device ID	Alarm Time	Alarm Type	Longitude(°)	Latitude(°)	Speed(km/h)	Max-Speed(km/h)	OverSpeed Perc...
Device Name: zyz(147 Items)									
1	zyz	zhangzy	2014-07-16 11:50:38	OverSpeed Alarm	120.216248	30.211262	15.11	10	51.10%
2	zyz	zhangzy	2014-07-16 14:26:21	OverSpeed Alarm	120.217575	30.212317	10.76	10	7.60%
3	zyz	zhangzy	2014-07-16 14:40:06	OverSpeed Alarm	120.214668	30.209352	20.79	10	107.90%
4	zyz	zhangzy	2014-07-16 14:41:37	OverSpeed Alarm	120.214722	30.209520	11.58	10	15.80%
5	zyz	zhangzy	2014-07-16 14:55:18	OverSpeed Alarm	120.216019	30.211216	11.02	10	10.20%
6	zyz	zhangzy	2014-07-16 16:54:38	OverSpeed Alarm	120.215797	30.211895	33.48	10	234.80%
7	zyz	zhangzy	2014-07-16 16:55:48	OverSpeed Alarm	120.216545	30.211082	18.46	10	84.60%
8	zyz	zhangzy	2014-07-16 16:58:39	OverSpeed Alarm	120.216225	30.211369	18.16	10	81.60%



1 of 1

Displaying 1 - 147 of 147

Figure 5.9 Overspeed Statistics

Low Speed Statistics Report

Steps:

1. Click the icon  to expand the Traffic Violation Statistics list.
2. Select the Low Speed Statistics from the list.
3. Select the device(s) from the drop-down list.
4. Click the icon  to specify the start time and end time.
5. Select the alarm type from the drop-down list.
6. Set the threshold of minimum speed in the text field.
7. Click the **Search** button to search the low speed statistics.

You can view the details of low speed, including the device name, device ID, alarm time, alarm type, etc.

8. You can click the **Reset** button to clear the search results, and do the search again.
9. You can click **Export** to export the low speed statistics file to the local PC in the format of *.xlsx.

* Device:

jh2

* Start Time:

2014-07-20 00:00:00

* End Time:

2014-07-22 23:59:59

* Alarm Type:

Low Speed

* Min-Speed(km/h):

3

Search

Reset

Export

No.	Device Name	Device ID	Alarm Time	Alarm Type	Longitude(°)	Latitude(°)	Speed(km/h)	Min-Speed(km/h)
Device Name: jh2(11460 Items)								
1	jh2	jh2	2014-07-20 01:11:27	Low Speed Alarm	120.216667	30.211094	0.00	3
2	jh2	jh2	2014-07-20 01:11:37	Low Speed Alarm	120.216667	30.211094	0.00	3
3	jh2	jh2	2014-07-20 01:11:46	Low Speed Alarm	120.216667	30.211094	0.00	3
4	jh2	jh2	2014-07-20 01:11:56	Low Speed Alarm	120.216667	30.211094	0.00	3
5	jh2	jh2	2014-07-20 01:12:07	Low Speed Alarm	120.216667	30.211094	0.00	3
6	jh2	jh2	2014-07-20 01:12:17	Low Speed Alarm	120.216667	30.211094	0.00	3
7	jh2	jh2	2014-07-20 01:12:27	Low Speed Alarm	120.216667	30.211094	0.00	3
8	jh2	jh2	2014-07-20 01:12:37	Low Speed Alarm	120.216667	30.211094	0.00	3

Page

1 of 23

Displaying 1 - 500 of 11460

Figure 5. 10 Low Speed Statistics



5.3.2 Searching System Operating Statistics

Purpose:

You can search the system operating statistics, including Message Statistics, Device Flow Statistics, User Flow Statistics and Online Time Statistics.

Message Statistics Report

Steps:

1. Click the icon  to expand the System Operating Statistics list.
2. Select the Message Statistics from the list.
3. Select the device(s) from the drop-down list.
4. Click  to specify the start date and end date for search.
5. Click the **Search** button to search the message statistics.

You can view the details of the messages sent from the platform to the device, including the device name, device ID, message ID, message content, etc.

6. You can click the **Reset** button to clear the search results, and do the search again.
7. You can click **Export** to export the message statistics file to the local PC in the format of *.xls.

* Device:

dyst

Search

* Start Date:

2014-07-22

* End Date:

2014-07-22

Reset


Export




No.	Device Name	Device ID	Message ID	Message Content	Audio Broadcasting	Sending Time
Device Name: dyst(2 Items)						
1	dyst	dyst	2014-07-22 11:17:29_dyst_86...	Attention please.	No	2014-07-22 11:17:29
2	dyst	dyst	2014-07-22 11:17:53_dyst_63...	Only for test	No	2014-07-22 11:17:53

Figure 5. 11 Messages Statistics

Device Flow Statistics Report

Steps:

1. Click the icon  to expand the System Operating Statistics list.

2. Select the Device Flow Statistics from the list.
3. Select the device(s) from the drop-down list.
4. Click the icon  to specify the month for search.
5. Click the **Search** button to search the data flow statistics of devices.
You can view the data flow of each selected device and the total data flow of all the selected devices on the specified month.
6. You can click the icon  /  in the upper-right corner to display the statistics in line chart or table.
7. You can click the **Reset** button to clear the search results, and do the search again.
8. You can click **Export** to export the device flow statistics file to the local PC in the format of *.xls.

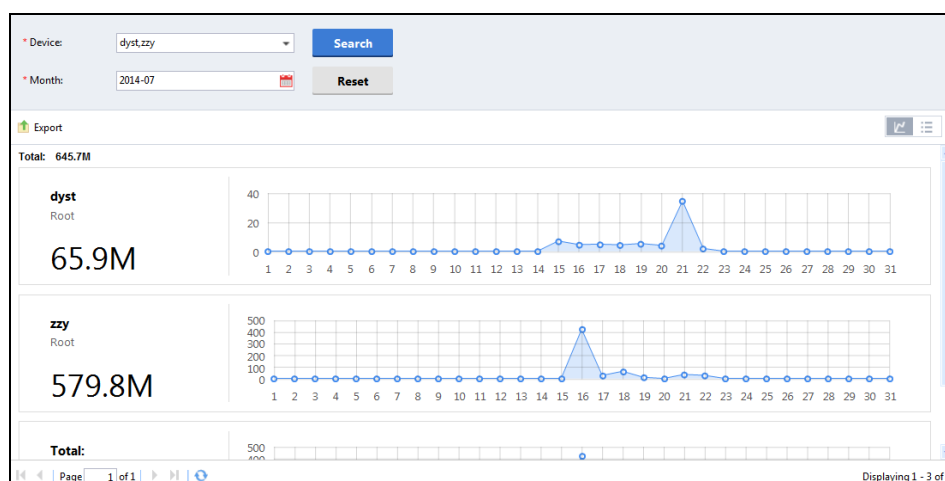






Figure 5. 12 Device Data Flow Statistics

User Flow Statistics Report

Steps:

1. Click the icon  to expand the System Operating Statistics list.
2. Select the User Flow Statistics from the list.
3. Select the user(s) from the drop-down list.
4. Click the icon  to specify the month for search.
5. Click the **Search** button to search the data flow statistics of users.
You can view the data flow of each selected user and the total data flow of all the selected users on the specified month.
6. You can click the icon  /  in the upper-right corner to display the statistics in line chart or table.
7. You can click the **Reset** button to clear the search results, and do the search again.
8. You can click **Export** to export the user flow statistics file to the local PC in the format of *.xls.

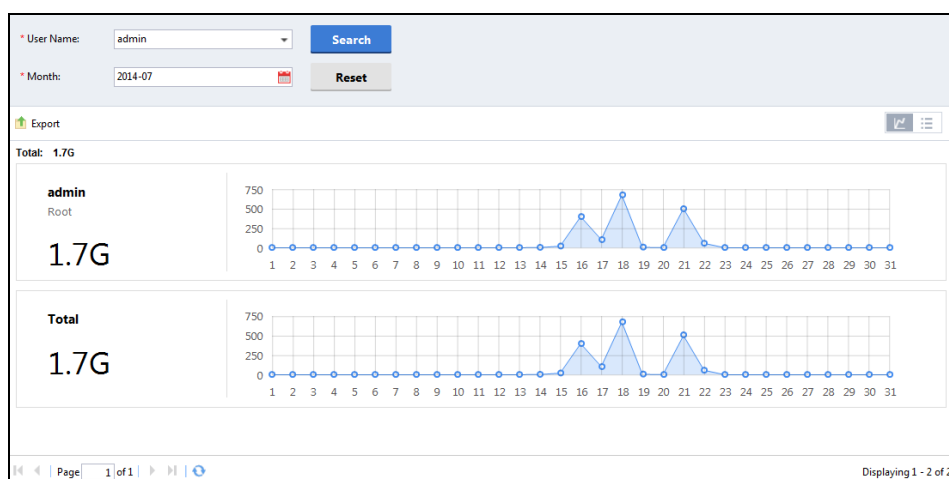




Figure 5.13 User Data Flow Statistics

Online Time Statistics Report

Steps:

1. Click the icon  to expand the System Operating Statistics list.
2. Select the Online Time Statistics from the list.
3. Select the device(s) from the drop-down list.
4. Click the icon  to specify the start date and end date for search.
5. Click the **Search** button to search the online time statistics.
You can view the online time statistics of the device(s), including the organization, online time period, etc.
6. Click the **Details** under the Operation column, you can view and export the detailed online time of the corresponding device.
7. You can click the **Reset** button to clear the search results, and do the search again.
8. You can click **Export** to export the message statistics file to the local PC in the format of *.xls.

* Device:

jhl1_2009090909

* Start Date:

2014-07-27

* End Date:

2014-07-29

Search

Reset

Export

No.	Device	Device ID	Organization	Online time	Operation
1	jhl1	jhl1	Root	57hours56minutes44seconds	Details
2	2009090909	2009090909	Root	57hours56minutes44seconds	Details



Figure 5.14 Online Time Statistics

5.3.3 Searching Alarm Data Statistics

Purpose:

You can search the data statistics of device alarms, including HDD Full, HDD Error, Video Loss, etc.

Steps:

1. Click the icon  to expand the Alarm Data Statistics list.
2. Select the Device Alarm Statistics from the list.
3. Select the device from the drop-down list.
4. Select the alarm type from the drop-down list.
5. Click the icon  to specify the start time and end time for search.

6. Click the **Search** button to search the device alarm statistics.

You can view the alarm statistics of the device, including the alarm time, alarm type, alarm action, etc.

7. You can click the **Reset** button to clear the search results, and do the search again.

8. You can click **Export** to export the device alarm statistics file to the local PC in the format of *.xlsx.

* Device:

zzy

* Alarm Type:

All

Search

* Start Time:

2014-07-22 00:00:00

* End Time:

2014-07-22 23:59:59

Reset

Export

No.	Alarm Time	Alarm Type	Alarm Action	Video Channel	Alarm Input Channel	HDD No.
1	2014-07-22 08:31:27	HDD Error	Alarm Start	-	-	1
2	2014-07-22 08:31:57	HDD Error	Alarm Start	-	-	1
3	2014-07-22 08:32:27	HDD Error	Alarm Start	-	-	1
4	2014-07-22 08:38:43	HDD Error	Alarm Start	-	-	1
5	2014-07-22 08:39:13	HDD Error	Alarm Start	-	-	1
6	2014-07-22 08:39:43	HDD Error	Alarm Start	-	-	1
7	2014-07-22 08:40:13	HDD Error	Alarm Start	-	-	1
8	2014-07-22 08:40:44	HDD Error	Alarm Start	-	-	1
9	2014-07-22 08:41:14	HDD Error	Alarm Start	-	-	1
10	2014-07-22 08:41:44	HDD Error	Alarm Start	-	-	1
11	2014-07-22 08:42:14	HDD Error	Alarm Start	-	-	1

Page

1 of 6

Displaying 1 - 20 of 114

Figure 5. 15 Device Alarm Statistics

5.4 Chart Board

Purpose:

You can view the online rate of devices, traffic violations, device faults today in pie chart or bar chart.

Click the icon  on the Home Page,

or click the **Chart** tab on the Query Subsystem page to enter the Chart Board interface.

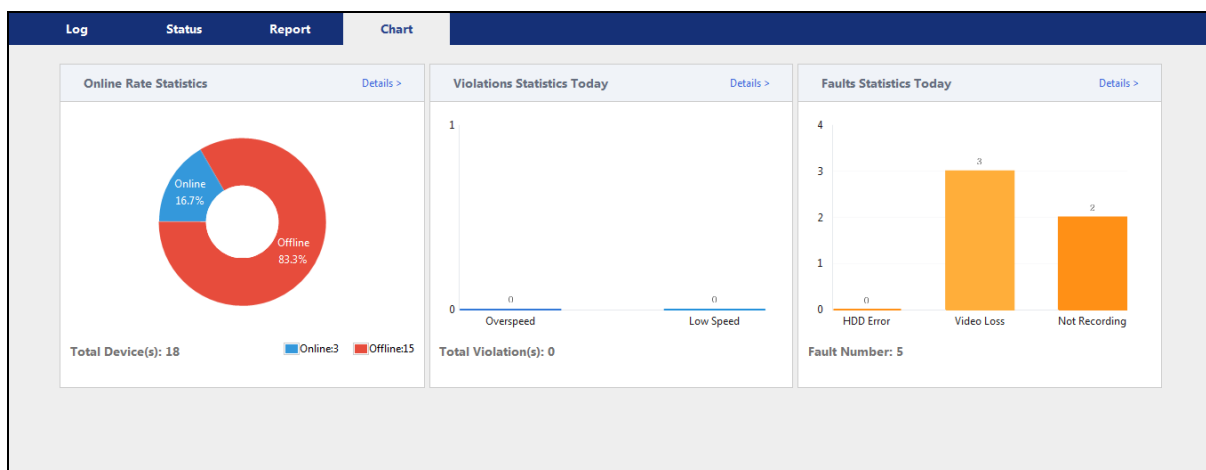


Figure 5. 16 Chart Board

Click the **Details**, and you can view the corresponding detailed information of Online Rate Statistics, Violations Statistics Today or Faults Statistics Today.

Online Rate Statistics < Return				
Organization	Total Device(s)	Online	Offline	Online Rate
Root	18	3	15	16.7%
Organization1	0	0	0	0%
Organization2	8	0	8	0%
Organization3	0	0	0	0%
2009090909				
dyst				
qs8161				
jh1				
jh2				
zzy				
20140624				
wuyujie				
fgg20140716				
textdf				

Figure 5. 17 Details of Online Rate Statistics

Violations Statistics Today < Return			
Organization	Overspeed	Low Speed	Total Violation(s)
Root	0	0	0
Organization1	0	0	0
Organization2	0	0	0
Organization3	0	0	0
jh1	0	0	0
jh2	0	0	0
2009090909	0	0	0
dyst	0	0	0
zzy	0	0	0
20140624	0	0	0
qs8161	0	0	0
wuyujie	0	0	0
fgg20140716	0	0	0
textdf	0	0	0

Figure 5. 18 Details of Violations Statistics Today

Faults Statistics Today < Return				
Organization	HDD Error	Video Loss	Not Recording	Fault Number
Root	0	3	2	5
Organization1	0	0	0	0
Organization2	0	0	0	0
Organization3	0	0	0	0
jh1	0	0	0	0
jh2	0	0	0	0
2009090909	0	1	0	1
dyst	0	1	1	2
zzy	0	0	0	0
20140624	0	0	0	0
qs8161	0	1	1	2
wuyujie	0	0	0	0
fgg20140716	0	0	0	0
textdf	0	0	0	0

Figure 5. 19 Details of Faults Statistics Today

0302001040729



First Choice for Security Professionals